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ABANDONED MINE LANDS

BELT - SAND COULEE, MONTANA

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WESTECH

Western Technology and Engineering Inc.

P. O. BOX 6045
3005 AIRPORT ROAD
HELENA, MT 59604
(406) 442-0950

June 14, 1982

Mr. Dick Juntunen
Department of State Lands
Capitol Station
Helena, MT. 59620

Dear Dick:

A preliminary list of waste volumes, disturbance sizes and associated reclamation costs for selected mines follows:

<u>Site Designation</u>	<u>Waste Volume</u>	<u>Disturbance Size</u>	<u>Total Cost</u>
7-8 Brown	16,000 cy	6.0 acres	\$ 360,000
7-11 Centerville D	900 cy	1.5 acres	25,000
7-19 East Belt Mine	12,000 cy	4.5 acres	270,000
7-24 Lewis Coulee	-	1.5 acres	7,000
7-26 North Belt Mine	2,400 cy	1.0 acre	55,000
7-29 No. Five Coulee Mouth	4,200 cy	2.5 acres	100,000
7-39 Northwest Centerville	2,000 cy	1.0 acre	45,000

Volume calculations represent all numbered waste piles and smaller unnumbered piles in close proximity. Disturbance size has been rounded to the nearest 0.5 acre and includes waste pile sites, associated disturbance and access. No waste volume has been calculated for 7-24; acreage estimates and costs are based on revegetation of the prepared slope east of the Belt Fire Station and a narrow area along the drainage-way.

Volumes, acreages and costs for the remaining sites will be delivered to DSL no later than June 18, 1982. They will be presented as part of Matrix 3 in the final report.

Please call if you have any questions.

Sincerely,

Lisa A. Larsen

WESTTECH

Western Technology and Engineering Inc.

1000 West 10th Ave.
Suite 1000
Wichita, KS 67202
Phone: (316) 262-1234



June 15, 1992

Mr. Bill Smith
Department of Civil Engineering
University of Kansas
Lawrence, KS 66044

Dear Bill:

As requested, I am enclosing a copy of the report titled "Analysis of the Effect of Wind on the Structural Response of a Building".

Item No.	Description	Quantity	Unit Price	Total Price
1	Analysis of the Effect of Wind on the Structural Response of a Building	1	\$1,000.00	\$1,000.00
2	Analysis of the Effect of Wind on the Structural Response of a Building	1	\$1,000.00	\$1,000.00
3	Analysis of the Effect of Wind on the Structural Response of a Building	1	\$1,000.00	\$1,000.00
4	Analysis of the Effect of Wind on the Structural Response of a Building	1	\$1,000.00	\$1,000.00
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Very truly yours,
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cc: [Name]

cc: [Name]

SOCIOECONOMIC TECHNICAL REPORT
SAND COULEE AND BELT AREAS;
IMPACT OF ABANDONED MINE LANDS



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I. SAND COULEE AREA

SOCIOECONOMICS RELATIVE TO ABANDONED MINES

A. STUDY

1. Literature Search

a. Document Review

Early in the study and throughout the course of work on this project numerous literature sources were obtained and reviewed. There was not a wealth of information found in any document especially pertaining to the socioeconomic conditions of the effected area. Three principal documents however, were specific to the region and contained helpful information. The first of these three primary documents was a thesis dated December of 1970 by George M. McArthur. The title of the thesis is "Acid Mine Waste Pollution Abatement - Sand Coulee Creek, Montana." Copies of this thesis are located in the Montana State University library in Bozeman. A second document helpful in understanding the background and current status of economic factors is the Cascade County Development Plan produced in 1979 by the Cascade County Planning Board. Copies of this document are available in the Great Falls City Library and at the offices of the Cascade County Planning Board. The third publication of significant information is titled the "Sand Coulee Creek and Upper Tributaries Flood Hazard Analyses." This publication is dated July, 1973, and is produced by the Soil Conservation Service of the U.S. Department of Agriculture. This report is also available in the Great Falls City

Library and at the offices of the Montana Department of Natural Resources and Conservation, the Cascade County Conservation District in Great Falls and at the Soil Conservation Service state headquarters in Bozeman.

Other information that was reviewed included census figures for Cascade County and incorporated communities therein, and miscellaneous papers and communications that were discovered in offices of pertinent agencies. Interviews were held with residents of the area, both home owners and significant land owners, farmers and ranchers, and interviews were further held with officials of the Cascade County Extension Office, Soil Conservation Office, Cascade County Treasurers office, Assessors office, and Classification and Appraisal offices. Also information was obtained from knowledgeable surveyors, land appraisers, and realtors in the Great Falls area.

b. A Brief Historical Perspective of the Economy of the Area

The Sand Coulee Creek area and the communities of Sand Coulee, Stockett, Tracy and Centerville are located approximately 12 miles south and east of Great Falls. As such the influence of Great Falls on these communities has always been very substantial. Great Falls and Cascade County are the second most populous county and city in the state. With this Sand Coulee Creek area so close to Great Falls, the socioeconomics of the two areas are obviously closely linked.

Mining and agriculture have played the important roles in the development of this entire area. Major coal mining operations, took place in the southeastern part of Cascade County early in it's history but have since been discontinued. Cattle and livestock raising and grain production are the primary agricultural products and provide the principal economic base for the area.

In 1887 the first railroad service connected the Great Falls area to other parts of the nation. At this time spur lines were being constructed to the numerous mining areas which included a line relatively close to the communities under study in this report. The Sand Coulee, Tracy, Stockett area is located in the very western portion of what is known as the Great Falls/Lewistown coal field. In the late 1880's and early 1900's a few large coal mines were opened and operated in this area as well as a large number of small mines.

Early geological reports indicate that the Nelson mine, just east of Sand Coulee, was probably the first mine to open in the area in about 1890. Similar records indicate that the Giffen Mine was probably the largest coal mine in the area with production capacity of approximately 6,000 tons per day. The names of other significant mines in the Sand Coulee Creek area include the Cottonwood, the Gruber, the Dahn, and the Mount Oregon.

The primary use for the coal produced from this region was as a fuel for railroad locomotives. The production life of most of these

mines ended in the mid-1940's as the general economy was resettling itself from the World War II years and as energy for power switched from coal to liquid petroleum products.

The population of this area was highest in the peak coal mining periods in early 1900's. At the close of most of the coal-mining operations population of the area dwindled and in recent years has been relatively steady. Twenty years ago in the 1960 census, the area had a recorded population of slightly less than 1,000. In 1970, the Eden/Stockett division of the Cascade County census count recorded 866 persons. In 1980 that total was 862 in the Eden/Stockett division. Clearly the population is remaining very stable. Most of the people who live in this area commute to work in Great Falls or are retired on their individual properties in these small communities. Some population projections have been made of the area and these indicate a growth trend in the 1980's. However, it is the opinion of this research team that the population based in this area will continue to be very stable with very little growth if any.

2. Socioeconomic Analysis

a. Historic Land Use Patterns

Considering an area about five miles by about ten miles which encompasses the Tracy, Sand Coulee, Stockett area, the early land use prior to coal mining activity was nearly exclusively agricultural. Since the late 1800's, an increase in farm cropland has been the case with previous grazing and hay land converted to crop production.

The majority of the open land in this area, however, was used for livestock grazing. The terrain is rolling with some relatively rough breaks, canyons, and coulees with creek bottoms a bit below the bench lands which are now mostly farmed. The breaks are more frequent and consequently more rangeland is the case in the southern and eastern portions of this section of Cascade County.

b. Acreage and Locations of Mining Land Use

Beginning just two miles north of Tracy and extending to approximately three miles south of the Stockett area, a number of abandoned mine sites have been identified. To identify the area and to specifically pinpoint these mine sites, aerial photography of 1977 vintage was obtained from the Agricultural Stabilization and Conservation Service. A collage of the obtained photography was put together so that the entire area could be viewed in one photograph. This photo is an appendix to the report. The approximate scale of this photography is eight inches to the mile. This area view is referenced frequently in this report, and is considered an integral part to the understanding of the analysis.

In this general locality a total of 88 abandoned mine adits have been identified. Of this 88, 10 are identified to be currently discharging acid mine water into nearby streams and creeks. These adit locations are based on identification work on Hydrometrics Inc. and others.

On the aerial photograph the non-discharging mine sites are identified with a yellow dot, the 10 mine sites discharging water are identified with a red dot. The communities of Tracy, Sand Coulee, Centerville and Stockett are identified. The mines that are indicated as discharging water are further identified with a number assigned to them by Hydrometrics in their evaluation of discharging water.

The concentration of abandoned mine sites is evident in the area between Tracy and Centerville along Sand Coulee Creek. Another heavy concentration of abandoned mine sites occurs in the general vicinity principally north and south of the community of Sand Coulee. The mine adits are generally located where coal bearing formations outcrop at points where the terrain drops steeply from the benchlands to the bottom of the ravines and coulees.

An approximate measurement was made utilizing the aerial photography to arrive at the total number of acres that have been in mining land use. Considering the 88 adits identified in this aerial photograph, an estimated 600 acres are consumed by mining uses of one type or another.

c. Present Land Use In the Study Area

There are three general types of land usage in the study area region. First of all there are the concentrations of population and housing development in the previously mentioned communities: Tracy, Sand Coulee, Centerville, and Stockett. Secondly there is the agri-

cultural land use of cropland, some irrigated but most dryland. And thirdly, there is the agricultural land use of open grazing and woodland. The only other significant use of land in any other form would be that of roads and highways which basically run in a north/south pattern through this area under study.

Considering the region to be five miles in an east/west direction, by ten miles in a north/south direction, centering the communities in the middle of that land area, that equates to 32,000 acres. Of this amount, approximately 280 acres are consumed by the concentrations of population and housing. This is termed built-up area. This amounts to 1% of the total land. In this region there are nearly 7,700 acres in cropland which is 24% of the total. The remaining 24,000 acres is utilized for range purposes or is considered to be breaks or rough terrain. 75% of the land use in this particular study region is open range country.

d. The Relationship of Populated Areas To Abandoned Mine Sites

Upon examination of the aerial photography and the dot pattern of identified mine adits, it becomes clear that most of the mines are clustered very near existing communities. This of course is logical since it was the mine sites themselves which spawned the communities initially. The population centered near to employment, that of the coal mines.

Sand Coulee is the most impacted community with more mine adits

clustered near its concentration than any other community in the area. Centerville has the second highest concentration of mine openings near its residential housing. The community of Tracy has a half dozen mine adits immediately to the east of it, however, the concentration is significantly less than for Sand Coulee or Centerville. Stockett has several mines surrounding it, however, the concentration of these abandoned mines is less an impact to this community than to any of the other three.

Stockett is the community with the most people, approximately 400, followed by Sand Coulee with 300, Tracy with approximately 200, and Centerville with less than 100. Each day most of the population of these communities pass by and through areas with significant old abandoned mine sites. However, in terms of being effected by an abandoned mine site, the people living in Sand Coulee have the most potential impact.

e. Likely Land Use If Mine Pollution Had Not Occurred

To imagine no mine pollution occurring is to make the assumption that there were no coal mines developed in the area. Under the scenario of no coal mine development in this region, it is probable that there would only be one community rather than four in this particular region. Under that assumption there would be fewer roads, less area devoted to housing, and little or no land devoted to mining uses. Outcroppings of coal throughout the region would of course still be obvious but acid mine drainage, pollution of area

streams, creeks and degradation of grazing hillsides would likely not have occurred.

Going back and assuming that mining practice in the early days could have eliminated the visual and stream and ground pollution, then certainly the communities would be there as they are today and perhaps people would reside there in greater numbers simply because the area would be more aesthetically pleasing and would offer a more pastoral setting for people wanting to live near to Great Falls but outside of the city. A small number of acres that are now damaged by mine pollution would be in cropland, however, the bulk of the acreage throughout the area that has been impacted by mining would be in a grazing land use.

f. Cumulative Economic Return

To derive a cumulative economic benefit foregone in this region due to past mining activities that took agricultural land out of production, the base of 600 acres of impacted land previously identified was used. Of the 600 acres, approximately 10% would likely have been in cropland, 85% in rangeland and 5% would likely have been added to the built up or urbanized housing areas.

The derivation of the value foregone in cropland was based upon a timeframe of forty years (1940-1980) of production. The productivity average per acre was determined through an analyzation of the average crop receipts per acre in Montana from 1940 to 1980. This analysis

resulted in our estimate of average productivity per acre of \$44.97. Using that figure and 60 acres for 40 years and a rotational cropping pattern of fallow every other year, we arrived at a total of \$53,964 of foregone revenue directly attributed to land not otherwise in crop production resulting from coal mine related activity.

Moving to rangeland, of the 600 acres of affected land in this area, 510 was considered to be rangeland. Again using a 40 year time span and an average productivity per acre of \$14.50 (historic analysis) a year, \$295,800 is the cumulative impact.

By combining the cropland and rangeland revenue loss and assuming a net revenue result of 10%, which would then in turn be available as an investment that would accrue interest a calculation can be made to determine the overall economic impact. Throughout the 40 year time span, an approximation of the interest earned on the net revenue from these acreages would approximate \$92,800. Adding that then to the productivity lost from direct crop and grazing land revenues, results in a total foregone net revenue of \$442,566. This figure is an approximation of the impact to the agricultural economy of the area from direct farming and ranching operations that can be described as being lost or foregone as a result of the residual effects of coal mining (post 1940) in the area.

The cumulative economic return that is related to the foregone sales of land that could not be part of the community concentration is

also based on a 40 year timeframe. Using 30 acres and an average land price of \$1,000 per acre, a return rate of 10% and an interest rate of 5%, the cumulative return not realized would amount to \$37,960. Overall net return not realized from the land in the Sand Coulee area due to abandoned mines then totals \$480,526.

g. Property Values

In order to arrive at a determination of property values in this coal mining affected region and other portions of Cascade County, two approaches were used. The first approach was to consider the comments and results of the survey of area residents, and second to consider interviews with real estate personnel and appraisal personnel familiar with the locality.

Beginning with the latter source first, it was determined through interviews with numerous realtors and real estate appraisers with experience in both residential and farmland appraising in and around the Great Falls area that generally there is no appreciable difference in value of either residential properties or farm properties resulting directly from pollution or perceived pollution from the abandoned coal mine sites. In the course of our interviews with these people most acknowledged that it would be logical to assume some valuation difference with values being lower in the Tracy/Sand Coulee/Centerville/Stockett areas, however, recent land sales and past experience didn't indicate that there was any appreciable difference in value. There certainly were comments that land sales in the area had slowed considerably recently, however, this was primarily attributable to the

general slowing in interest in suburban lands simply because of the cost of gasoline to get to and from work and homes in outlying areas.

The primary source of information for land values, that of the comments and indications of the residents of the area themselves, is likely a bit more valuable in assessing economic impacts. In the Stockett/Sand Coulee area, 37% of the respondents to the survey indicated that their property has been affected in some way by pollution from abandoned mine sites. However, only 28% of those respondents indicated that there was any direct economic loss that they had experienced.

Another survey question that bears directly on the assessment of valuation change in this area deals with whether or not people think they are either better off, worse off, or about the same in terms of living conditions when compared to others in rural Cascade County. 13% of the respondents indicated they thought they were worse off, the remainder thought they were either better off or about the same as others throughout the county. All in all it certainly can be said that the residents of this coal mine impacted area are and have experienced some degree of valuation loss as a result of the mines. However, outside evidence, as well as the thoughts of residents who are there, indicate it to be a relatively small difference.

To arrive at a calculation of the property value difference regarding farmland, we go back to our area of 50 square miles where 7,700 acres are in cropland and 24,000 acres are in grazing land. Our

assessment using land prices of 1980 is that cropland in Cascade County sells for about \$614 per acre, grazing land for about \$292 an acre. Based upon our conversations with appraisers we determined that cropland in the area of coal mines would likely suffer a 5% value penalty while grazing lands suffer a lesser devaluation of 2%. Further assuming as the survey results indicated, that 37% of the lands in this area were effected in some way by coal mining pollution, the resulting calculation indicates that currently agricultural land in this 50 square miles of area would be valued \$141,600 less than a comparable land area situated elsewhere in Cascade County with no coal mine pollution impact.

In determining the residential property value impacts we begin with the fact that in 1980 there are 308 housing units in this general vicinity. Using the survey results that 37% of these properties are in some way effected by mine pollution we have an effected housing unit total of 114. Several respondents to the survey indicated substantial reduction in home value resulting from the nearby mines. In tracking this down a bit further, we determined not from any official appraisal but from the home owners estimates, this averaged \$4,000 per residential property. Assuming then that this \$4,000 of reduced property value would be characteristic throughout the area, this would equate to a 1980 valuation suppression in this area of \$456,000.

h. Inhabitant Assessment of Social Well-Being

One of the initial steps in this study was to identify the property

owners of land in the area. Once we accomplished this we had a base name and address list which we could use to send out surveys of area residents. This was done in the communities of Tracy, Sand Coulee, Centerville, and Stockett. The overall rate of return or response rate to this residential survey was 37%, which is considered relatively high for a survey of this nature. A copy of that two-page survey is included here with the final determination by percentages of the responses received.

STOCKETT - SAND COULEE FINAL RESULTS 41 COMPLETED SURVEYS

T.A.P. Inc., a Bozeman based research firm, is assisting the Montana Department of State Lands in examining impacts and possible reclamation of abandoned coal mines in your locality. Your cooperation and input by answering this short survey will help us learn how local property owners feel about these mines.

The survey can be completed by just check marking the appropriate space. Use the pre-addressed, no stamp required envelope to return the survey to us. Your answers will be combined with those of your neighbors and the results will be available to you and to the Department of State Lands. Thank you for your help.

1) Are you:

a. A farmer/rancher?	<u>15%</u>
b. A homeowner?	<u>47%</u>
c. A landowner?	<u>38%</u>

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	<u>74%</u>	<u>19%</u>	<u>7%</u>
b. Surface water quality	<u>0%</u>	<u>32%</u>	<u>68%</u>
c. Subsurface water quality	<u>18%</u>	<u>41%</u>	<u>41%</u>
d. Wildlife numbers	<u>57%</u>	<u>21%</u>	<u>22%</u>
e. Vegetation growth	<u>15%</u>	<u>58%</u>	<u>27%</u>
f. Aesthetics, view	<u>26%</u>	<u>23%</u>	<u>51%</u>
g. Land sinkage	<u>44%</u>	<u>41%</u>	<u>15%</u>
h. Other (specify)	<u> </u>	<u> </u>	<u> </u>

3) Is there a mine site on your property? Yes 15% No 85%

- 4) Do you own the mineral rights beneath your property?
 Yes, 100% 10% Yes, Partially 20% Don't know 30%
 No 40% The owner is _____

- 5) Has any of your property been effected by any pollution from abandoned mines?

No 63%
 Yes 37% :

		How Much Area?
a. Air quality	<u>.5%</u>	<u>3 ac.</u>
b. Surface water quality	<u>20%</u>	<u>30 ac.</u>
c. Subsurface water quality	<u>15%</u>	<u>7 ac.</u>
d. Wildlife numbers	<u>.5%</u>	<u>3 ac.</u>
e. Vegetation growth	<u>15%</u>	<u>6 ac.</u>
f. Aesthetics, view	<u>20%</u>	<u>10 ac.</u>
g. Land sinkage	<u>3%</u>	<u>--</u>
h. Other, (Specify)	_____	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No 72%
 Yes 28% :

		About How Many Annual Dollars?
a. Reduced crop yield	<u>17%</u>	<u>600</u>
b. Reduced livestock yield	<u>11%</u>	<u>--</u>
c. Reduced land value	<u>28%</u>	<u>2,000</u>
d. Reduced home value	<u>22%</u>	<u>8,000</u>
e. Personal Health or safety	<u>17%</u>	<u>--</u>
f. Other, (Specify)	_____	_____
Animal Health	<u>5%</u>	<u>300</u>

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

a. Better off 26%
 b. Worse off 13%
 c. About the Same 61%

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

	Yes	No
a. Plugging the mine openings	<u>63%</u>	<u>37%</u>
b. Removing the mine waste piles	<u>80%</u>	<u>20%</u>
c. Treating the water to clear the streams	<u>85%</u>	<u>15%</u>
d. Drilling wells to stop or reduce water flows	<u>27%</u>	<u>73%</u>
e. Reseeding after cleanup of waste piles	<u>87%</u>	<u>13%</u>
f. Using the waste piles on roads	<u>73%</u>	<u>27%</u>
g. Other, (Specify) _____	_____	_____

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?
- a. Yes 64%
 - b. No 36%

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name: _____

Specific mention will be made of the highlights of the tabulated questionnaires. In response to question No. 1 only 15% of the respondents were farmers and ranchers, most of the people responding were homeowners.

In question No. 2, 74% answered that air quality was not a pollution problem resulting from any of the abandoned mine sites and conversely the highest number of responses as to what was the most significant type of pollution was surface water quality at 68%. The least significant issues in addition to air quality were wildlife impacts and land subsidence or sinkage. Every respondent indicated that surface water quality was to some degree a pollution problem with vegetation growth and subsurface water quality following closely as issues of significant general pollution.

Question No. 3 found that only 15% of those responding had a mine site on their property and question No. 4 found 40% of those surveyed did not own the mineral rights beneath their property. Many people did not know who owned the mineral rights currently.

In question No. 5, 63% of the people responding indicated that none of their property had been effected by any pollution from abandoned mines. Of the remainder who did indicate that they experienced some pollution, the types of pollution most frequently mentioned were surface water quality, aesthetics or view, vegetation growth and subsurface water quality. The total land area mentioned by these people who had experienced pollution damage was relatively small, the largest land area effected being that of surface water quality with an estimate of 30 acres.

Question No. 6 asked specifically whether or not they had any economic loss from any type of pollution relative to the abandoned mines. A substantial 72% indicated that they had no economic loss. For those indicating some economic damage, reduced land value and reduced home value were most frequently mentioned. It's important to note that personal health and safety was mentioned by 17% of those having experienced some economic damage.

In question No. 7 people had the chance to indicate whether they thought they were better off, worse off or about the same compared to others who lived in rural Cascade County. 26% felt they

were better off, 61% felt they were about the same, with 13% feeling that they were worse off.

Question No. 8 attempted to determine the thoughts of the residents on what they would like to see done regarding mitigating measures relative to mine pollution. The most popular actions were a reseeded of an area after the clean-up of the waste piles followed closely by the popularity of treating the water to clear the surface streams. Most frequently mentioned as something the people that live in the area would not like to have done was the action of drilling wells to stop or reduce water flows. 73% of the respondents indicated that they would be against that action. The next most unpopular action was that of plugging the mine openings. These two potential actions to reclaim pollution damage are viewed very negatively because of the concern that people have in the area for their underground water supplies.

In question No. 9 we found that 64% of the respondents would be willing to participate in mine site reclamation projects if they had some input regarding the project.

Question No. 10 asks for comments or general observations about the issues of reclaiming local abandoned mine sites. An example of the significant comments are as follows:

1. Plugging mine openings will definitely cause deterioration of deep

well water supplies.

2. It would be very nice to have the small streams in the area running clear.
3. Cleaning up the waste piles would improve the value and appearance of our whole community.
4. It is essential that the water be allowed to drain from the mine openings. Concrete culverts could be installed to allow for drainage and directed to treatment areas.
5. Drilling wells to change water flows entails to high a risk.
6. I do not think the government should spend any money on this project.
7. During high water times the pollution runoff from the mines damages my garden.
8. Any reclamation efforts would be beneficial to our area, however, considering tax dollars and costs large expenditures should not be undertaken.
9. There is great danger of youngster safety relative to old mine openings and sink holes.

The questionnaires are an appendix to this report and are available for further examination and analyzation.

i. Business Dollar Impact to Area Communities and Great Falls

The impact on business receipts to communities in the area is directly proportional to the loss of revenues that can be attributed to the mine pollutions. In this case, as previously described, these

cumulative losses are all agricultural related and were previously calculated at \$442,566. Relatively speaking, for this size of an area this economic loss is not that great. Using 1975 statistics on the income generation of basic and non-basic industries in Cascade County, an income multiplier was derived. The results of that derivation indicated a 2.89 multiplier, in other words for every dollar of basic income earned, secondary businesses could expect to see it turned an additional 2.89 times in the county. Applying this income multiplier to the cumulative agricultural productivity lost would amount to \$1,279,000 or an average of \$32,000 a year over the last 40 years. This amount of business income loss would be spread across the many businesses in Great Falls and the nearby communities. It is a relatively minor adverse impact on an annual basis.

2. Ownership Inventory

a. Ownership Descriptions

A complete land-ownership identification coverage in the Stockett/Sand Coulee area of Cascade County was performed. The area included the following sections: in Township 19 North, Range 4 East, Sections 1, 12, 13, 14, 23, 24, 25, 35, and 36; in Township 18 North, Range 4 East, Sections 1, 12, 13, and 14; in Township 19 North, Range 5 East, Sections 6, 7, 18, 19, 20, 30, and 31; in Township 18 North, Range 5 East, Sections 6, 7, and 18. Research was conducted in the Cascade County Courthouse in the Assessors office, the Treasurers office and the Clerk and Records office to determine the owners name, the owners address, and the legal description of the property involved. This information is a part of the appendix of this report and is available for further use by interested parties. Specific detailed maps of these property locations were not reproduced as they

are updated continuously and are readily available in the offices of the Assessor in Cascade County.

b. Property Owners That Would Be Willing To Participate In
Future Reclamation Projects

The residential survey of land owners in the Stockett and Sand Coulee areas indicated that 64% of the property owners would be willing to participate in mine site reclamation projects if they had an input regarding the project. In some cases the property owner did not indicate on the survey form his name and address and therefore where some property owners suggested that they would be willing to participate their names, however, were not available.

From the survey questionnaire those who identified themselves as being willing to participate in reclamation projects are listed alphabetically here:

Anna Leah Dolena,

Jack Eidel,

Robert and Carol Erickson,

Adone Giannini,

Ronald Guisti,

Bernice T. Heal,

Albert Korin,

Earl A. Lee,

E. G. Loeffler,

Robert Mandville,

Thomas W. Rickard,
Mrs. Paula Roof,
Gerald Schlosser,
Gerold Schwartzenberger,
William T. Surmi,
Bill Wesland,
Donald A. Yureck,
Marvine R. Yureck, and Rick Yureck.

There definitely are other property owners in the Sand Coulee and Stockett areas who would be interested in participating in mine site reclamation. In many comments on the survey forms the people asked for public meetings and public education of plans and possibilities. At such public presentations certainly a more comprehensive list of interested property owners could be developed. The property owners mentioned above would be reasonable and logical people to begin with in exploring the possibilities of alternative forms of mine site reclamation.

B. Sand Coulee land ownership

SAND COULEE AREA

T19N, R4E, Sec. 1

<u>Owner</u>	<u>Address</u>	<u>Legal Description</u>
Cemetery		
Victor F. & Elizabeth N. Ehman et al	1131 5 St. South Great Falls, MT 59405	SESW, S/2SE Ls 2.21
E. J. Lander & Co.	Box 608 Grand Forks, ND 58201	N/2, N/2S/2, In SWSW Ls 7.59

SAND COULEE AREA
T19N, R4E, Sec. 12

<u>Owner</u>	<u>Address</u>	<u>Legal Description</u>
<u>By Water Addition</u>		
Carol C. & Leota M. Ankney	Star Route, Box 69 Sand Coulee, MT 59472	Lot 4A
Hilda Bolser	Star Rt., Box 60 Sand Coulee, MT 59472	Lot 11D
Edwin J. & Emily Jackson	Box 83 Sand Coulee, MT 59472	Lot 4, 5B, 6C
Edward G. & Zita R. Loeffler	Box 119 Sand Coulee, MT 59472	Lot 1
Helene Lucotch	13442 168 Av. SE Renton, WA 98055	Lot 6B, 8, C
Lawrence J. Milot	Star Route Sand Coulee, MT 59472	Lot 2, 3
Thomas W. & Elaine Rose Rickard	Star Route Sand Coulee, MT 59472	Lot 10A
Renee M. Steffani	Sand Coulee, MT 59472	Lots 5A, 6, 7, 8A, 10
John E. Wadsworth	Box 1254 Great Falls, MT 59403	In NESE MK 84A
Archie J. & Lillian Zuern	Heath Star Rt., Space #A4 Cambridge, ID 83610	Lot 11C
Melvin Zuern	Box 23 Sand Coulee, MT 59472	Lot 11A Lot 11B

SAND COULEE AREA
T19N, R4E, Sec. 12

<u>Owner</u>	<u>Address</u>	<u>Legal Description</u>
<u>Lands Not Platted</u>		
Asa E. & Pearl M. Cantrell	RR Box 15 Sand Coulee, MT 59472	In SESE by M & B MK 12
Victor J. & Elizabeth H. Ehman et al	1131 5 St. South Great Falls, MT 59405	NE/4, W/RR, N/2NW, E/R Yakima Co.
Bernice Thelma Heal	Stockett, MT 59480	PT SENE, E/2SE MK 91
Dale & Jane Korin	Sand Coulee, MT 59472	In S/2 MK 81A
Richard L. & Louise M. Kujala	Box 53 Sand Coulee, MT 59472	In N/2SE, In NESW MK 84
Evelyn Annabelle Lyman	Star Rt. Sand Coulee, MT 59472	In N/2SE, In NESW MK 84B
Lyman Ranch	Rt. 2 S, Box 667 Great Falls, MT 59405	S/2NW, In NWNW
Arthur W. Shubat	2302 West Yakima Ave. Yakima, WA 98902	In NENE, SE/RR MK 14
Renee Steffani	Sand Coulee, MT 59472	In SWSE MK 13 In SWSE MK 17 In SE/4 MK 21 In S/2 MK 81
John Wadsworth	Box 1254 Great Falls, MT 59403	In NESE MK 84A

SAND COULEE AREA

T19N, R4E, Sec. 13

<u>Owner</u>	<u>Address</u>	<u>Legal Description</u>
Ernest W. & Marilyn L. Chartier	Box 96 Sand Coulee, MT 59472	In NESW MK 16 In W/2SW, E/RR
George J. & Josephine M. Dusko	Box 67 Sand Coulee, MT 59472	Sand Coulee Imps MK 5 Sand Coulee Misc. by M & B MK 11-11A
Charles E. & Verna M. Entsminger	Sand Coulee, MT 59472	In NENE Imps Sand Coulee Misc. MK 3 In NENE MK 22
Hobart F. & Ruth M. Feller	Box 85 Sand Coulee, MT 59472	In NW/4SW/4 LS 9.2 MK 5
Hilda Frantzich	Box 70 Sand Coulee, MT 59472	PT NW/4, N & W/RR
Russell C. & Rose M. Frantzich et al	1/2 H. Frantzich Box 70 Sand Coulee, MT 59472	PT NW/4, N & W/RR
Arthur G. Jr. & Eleanor V. Freeman et al	Box 21 Sand Coulee, MT 59472	In SWSW MK F-1
Lloyd Theodore & Marjorie June Freeman	Box 63 Sand Coulee, MT 59472	In NWSW MK 1C
Adone & Ruby Giannini	Box 157 Sand Coulee, MT 59472	In N/2SW MK 1 & X In SENW MK H

SAND COULEE AREA

T19N, R4E, Sec. 13

(Continued)

<u>Owner</u>	<u>Address</u>	<u>Legal Description</u>
Gary & Shirley Giannini	Box 128 Sand Coulee, MT 59472	In NESW MK 18
Great Northern Ry Co.		
Frank & Nancy Hein	Sand Coulee, MT 59472	In NESW MK 2B
Donald & Margaret Hess	Box 135 Sand Coulee, MT 59472	In NESW MK 1A
Jesse L. & Mozelle Hotz	Box 335 Sand Coulee, MT 59472	In NESW MK 21
Neil E. & Valerie J. Humphrey	Box 163 Sand Coulee, MT 59472	Sand Coulee Misc. In NESW MK 26
John H. & Hilja L. Jarvi	Box 108 Sand Coulee, MT 59472	W/2SE, SESE, SESW, PT NESW
George & May Kavulla	Box 176 Sand Coulee, MT 59472	Sand Coulee Misc. In SWNE MK 15
Mike J. & Edith Kavulla	Star Route Sand Coulee, MT 59472	In NENE MK 9
Albert & Margaret M. Korin	Box 87 Sand Coulee, MT 59472	Sand Coulee Imps MK 21, MK 22, MK 24
Gordon S. & Mary E. Lencioni	Box 35 Sand Coulee, MT 59472	In SENW MK 2A In SENW MK 2C

SAND COULEE AREA

T19N, R4E, Sec. 13

(Continued)

<u>Owner</u>	<u>Address</u>	<u>Legal Description</u>
Joseph & Florence Lopuch	Sand Coulee, MT 59472	In NESW MK 17
Montana Power Co.		
Theodore H. & Elfriede E. Mrochan	Box 155 Sand Coulee, MT 59472	In SWNE MK 20
Terry D. & Norene Nett et al	1421 9 Ave. South Great Falls, MT 59405	In NESE MK 20
Harold H. & Joyce D. Ridgel	Box 1940 Placerville, CA 95667	In NWSW MK 1B
Sand Coulee United Methodist Church		
Gerald E. & Madeline F. Schlosser	Box 124 Sand Coulee, MT 59472	In NESW MK 19
School District		
George & Marthele L. Soha	Sand Coulee, MT 59472	In NENE MK 10
Clifford & Lila Stortz	1222 5 Ave. South Great Falls, MT 59401	In SENW MK P
William T. Surmi	Star Rt. Box 3 Sand Coulee, MT 59472	In NESW MK 12X

SAND COULEE AREA
T19N, R4E, Sec. 13
(Continued)

<u>Owner</u>	<u>Address</u>	<u>Legal</u> <u>Description</u>
William J. & Diane C. Tesinsky	Stockett, MT 59480	In NWSW MK 5A
Sergious L. & Margaret Weaver	Box 626 Havre, MT 59501	In NESW MK 12AX
Richard L. & Terri M. Weil	Sand Coulee, MT 59472	In N/2SW MK 25
Kenneth J. Wolf & Robert Peterson	Sand Coulee, MT 59472	Sand Coulee Misc. By M & B MK 13

SAND COULEE AREA
T19N, R4E, Sec. 14

<u>Owner</u>	<u>Address</u>	Legal <u>Description</u>
John R. & Joyce M. Ashmore	Box 47 Sand Coulee, MT 59472	IN SESE MK X2
Glenn W. & Audrey K. Bridgeford	Box 126 Sand Coulee, MT 59472	In SESE MK 0 In SESE MK 2A
Ernst & Marilyn Chartier	Sand Coulee, MT 59401	In SESE, S/RR
Charles L. & Joyce Frantzich	Rt. 2 S, Box 669 Great Falls, MT 59401	S/2NENW, N/2SENW
Hilda Frantzich	Box 70 Sand Coulee, MT 59472	NWSW, In SE/4
Eddy A. & Lola L. Hakola	Sand Coulee, MT 59472	E/2SW, SWSW Ls .97
Donald & Violet M. Hills	%H. Frantzich Box 70 Sand Coulee, MT 59472	NWNW
Paul F. Hovdey	Sand Coulee, MT 59472	In SESE MK X4
Dale E. Kavulla	2325 3 Av. N. Great Falls, MT 59401	In SESE MK X3
Edgar F., Jr. & Donna E. Sowers	Stockett, MT 59480	In SESE MK X

SAND COULEE AREA
T19N, R4E, Sec. 23

<u>Owner</u>	<u>Address</u>	<u>Legal Description</u>
Ernest W. & Marilyn Chartier	Sand Coulee, MT 59472	SE/4, E/2NE, NESW, In SENW & SWNE
Hilda Frantzich	Box 70 Sand Coulee, MT 59472	NWNE
Lola & Eddy Hakola	Sand Coulee, MT 59472	NENW Ls 1.95, W/2NW, PT SENW SWNE Ls 3.25
Harvey & Elizabeth LaRocque	Box 123 Sand Coulee, MT 59472	S/2SW, NWSW Ls. 3.69
Garold & Karen M. Schwartzemberger	Box 129 Sand Coulee, MT 59472	In W/2 MK 16A In W/2 MK 16B

SAND COULEE AREA
T19N, R4E, Sec. 24

<u>Owner</u>	<u>Address</u>	Legal <u>Description</u>
Ernst W. & Marilyn L. Chartier	Sand Coulee, MT 59472	S/2, S/2NW, NWNW, SWNE
John H. & Hilja L. Jarvi	Box 108 Sand Coulee, MT 59472	SENE, N/2NE, NENW

SAND COULEE AREA

T19N, R4E, Sec. 25

<u>Owner</u>	<u>Address</u>	<u>Legal Description</u>
Cascade County		
Ernest W. & Marilyn C. Chartier	Sand Coulee, MT 59472	N/2, W/2SW, NWSE E/2SW, W/RD
Joseph G. Fabian	Stockett, MT 59480	E/2 SESE Ls 1.80 In SESE MK 3
Amy Johnson & Otto E. Johnson & Son	Sand Coulee, MT 59472	NESE, E/HWY, SENE, SE/RR
Eleanor Singles	Stockett, MT 59480	In SE/4, E/2SW, W/RD Ls 26.33
Three Rivers Rural Tel. Co-op		

SAND COULEE AREA
T19N, R4E, Sec. 35

<u>Owner</u>	<u>Address</u>	<u>Legal Description</u>
Cascade County		
Ernest & Marilyn Chartier	Sand Coulee, MT 59472	NE/4, N/2 SE Ls 5.90 RR
Calvin R. McCafferty	½ Eidel Ranch Manchester Road Great Falls, MT 59401	S/2S/2 Ls 4.20
Loretta Alice & Arthur Oscar Wirtala	21500 72 Av. W Edmonds, WA 98020	N/2SW
Norman J. & Margaret A. Young	Box 116 Sand Coulee, MT 59472	NW/4

SAND COULEE AREA
T19N, R4E, Sec. 36

<u>Owner</u>	<u>Address</u>	<u>Legal Description</u>
Cascade County		
Ernest & Marilyn Chartier	Sand Coulee, MT 59472	NWSW, SWNW, N/2NW, N/RR
Rinaldo Giusti & Ida Guisti Merva	Stockett, MT 59480	In NWNE MK X
Robert T. Klasnew, Jr.	Stockett, MT 59480	In N/2NE, SWNE, NWSE, E/2W/2 In SE/4, SESW MK 3 In W/2 MK 7
Montana Power Company		
Ruby Parenteau	Stockett, MT 59480	In NWSE MK 7A
Bertha E. Petrucci	Box 97 Stockett, MT 59480	SWSW, W/2SESW
Richard F. & Paulette K. Roof	Sent to Stockett, MT 59480	In NESW MK 7C
Eleanor Singles	Stockett, MT 59480	N/2NWNE, N/2S/2NWNE S/2SWNWNE MK 8
Robert L. & Anthony M. Smerker	Belt, MT 59412	SENE, In NESE & SESE MK 1
William L & Audrey E. Wesland	Box 553 Stockett, MT 59480	In NESW MK 7B

SAND COULEE AREA

T18N R4E, Sec. 1

<u>Owner</u>	<u>Address</u>	<u>Legal Description</u>
Robert T. Klasner, Jr.	Stockett, MT 59480	E/2, E/2NW E C/RD In SESE MK 3A
Bertha E. Petrucci	Box 97 Stockett, MT 59480	W/2 Ls 17.57 W/RD

SAND COULEE AREA
T18N R4E, Sec. 12

<u>Owner</u>	<u>Address</u>	<u>Legal Description</u>
Anna Leah Dolena	Stockett, MT 59480	In SE/4 MK 4A
Lesley Moretta Hatcher	1910 2nd Ave. N Great Falls, MT 59401	NW/4 Ls 3.89
Jo Ann Shirley	% W.C. Shirley Stockett, MT 59480	SE/4 Ls 2.42
William C. Shirley	Stockett, MT 59480	SW/4 Ls 11.66

SAND COULEE AREA
T18N R4E, Sec. 13

<u>Owner</u>	<u>Address</u>	<u>Legal Description</u>
Leo E. Mayernik et al	Stockett, MT 59480	W/2, SE/4 Ls 20.82
Jo Ann Shirley	c/o W. C. Shirley Stockett, MT 59480	NE/4

SAND COULEE AREA
T18N R4E, Sec. 14

<u>Owner</u>	<u>Address</u>	<u>Legal Description</u>
Cascade Co.		
Leo Mayerik et al	Stockett, MT 59480	SENE, E/2SE Ls 10.67
Eleanor M. Singles	Stockett, MT 59480	NW/4, N/2SW Ls 9.04 SWNE, W/2SE, S/2SW Ls 26.96
Donald A. Yurek	Stockett, MT 59480	In NENENW MK 3
Mervine R. Yurek	Stockett, MT 59480	N/2NE Ls 2.10
Rick L. & Linda D. Yurek	Stockett, MT 59480	In N/2NE Mk 3A

SAND COULEE AREA
T19N R5E, Sec. 6

<u>Owner</u>	<u>Address</u>	<u>Legal Description</u>
Joseph B. & Gail E. Amlong	Box 68A Sand Coulee, MT 59472	In E/2NW Mk 1
Shirley F. Greenslate	Star Route, Box 64 Sand Coulee, MT 59472	In E/2NW Mk 12
Frank B. & Paula Grieve	Sand Coulee, MT 59472	In SENW Mk 2A In SENW Mk 2B
Otto E. Johnson & Son	Sand Coulee, MT 59472	E/2, E/2NW Lot 3, SESW
E. J. Lander & Co.	Box 608 Grand Forks, ND 58201	SW/4, SWNW Ls 17.62
Lyman Ranch	Rt. 2 S, Box 667 Great Falls, MT 59405	Lot 4
Robert L. & Elaine E. Mandville	Star Rte., Box 65 Sand Coulee, MT 59472	In Lot 4 Mk 8B

SAND COULEE AREA
T19N R5E, Sec. 7

<u>Owner</u>	<u>Address</u>	<u>Legal Description</u>
Alice & John H. Broquist	2719 3 Ave. S. Great Falls, MT 59405	In NWSW Mk 1
Victor F. & Elizabeth H. Ehman et al	1131 5th St. S. Great Falls, MT 59405	NWNW, W/RD Ls .13
Robert C. & Carol Erickson	Star Rte., Box 53 Sand Coulee, MT 59472	In NWSW MK 3
Bernice Thelma Heal	404 25th Ave. NE Great Falls, MT 59404	S/2S/2, NWSE, S/2NW, In N/2SW
Thomas Henry & Louise K. Heal	Star Route Stockett, MT 59480	In NESW MK 10
Wm. K. Heal	27 Old Helgate, Mullan Dr. Missoula, MT 59801	In NESW MK 8
Otto E. Johnson & Son	Stockett, MT 59480	NE/4, NESE
E. J. Lander & Co.	Box 608 Grand Forks, ND 58201	NENW, In NWNW
Cullen A. & Susannah D. Lee	Box 84 Sand Coulee, MT 59472	In N/2SW MK X
Earl A. Lee	Star Rte., Box 55 Sand Coulee, MT 59472	In NWSW MK 2

SAND COULEE AREA

T19N R5E, Sec. 18

<u>Owner</u>	<u>Address</u>	<u>Legal Description</u>
Emmet E. & Bonnie Jo Eller	Star Rt., Box 9 Sand Coulee, MT 59472	In Lot 2 MK 2
Great Northern Ry. Co.		
Otto E. Johnson & Son	Sand Coulee, MT 59472	E/2SE, NE/4, SENW
Mike J. & Edith Kavulla	Star Rt. Sand Coulee, MT 59472	S/2SW, Pt N/2NW, SWSE Ls 16.82
Martin J. & Vicki Luoma	Star Rt., Box 6 Sand Coulee, MT 59472	In SENW MK 9
Leo H. & Doris Marko	3904 4 Av. S. Great Falls, MT 59405	NESW, W/2SE E/C Rd
Terry D. & Norene Nett, et al	1421 9 Av. S. Great Falls, MT 59405	In N/2SW MK 1A
Renee M. Steffani	Sand Coulee, MT 59472	In N/2SW, W/RD In Lot 2
John Wadsworth	109 5 St. N. Great Falls, MT 59401	In SWNW MK X

SAND COULEE AREA
T19N R5E, Sec. 19

<u>Owner</u>	<u>Address</u>	<u>Legal Description</u>
Thomas O & Marcia K. Behrent	Sand Coulee, MT 59472	In NE/4 MK 7A
Ernest W. & Marilyn L. Chartier	Sand Coulee, MT 59472	In SWNE, NESW, SWSW LS 11.27
Rinaldo James Guisti et al	Box 99 Stockett, MT 59480	SENW, NWSE W/RW
Ronald N. & Judith F. Guisti	Box 93 Sand Coulee, MT 59472	In NWSE MK 12A
Bernice Thelma Heal	Stockett, MT 59480	N/2NW, Pt NWNE LS 8.66
John H. & Hilja Lydia Jarvi	Box 108 Sand Coulee, MT 59472	Lots 2-3
Otto E. Johnson & Son Amy Johnson	Sand Coulee, MT 59472	All E/RR LS 32.76
Roman Catholic Bishop of GF		
School District #5		
Dennis J. & Joan L. Yatsko	Stockett, MT 59480	In NWNE MK 0

SAND COULEE AREA
T19N R5E, Sec. 20

<u>Owner</u>	<u>Address</u>	<u>Legal Description</u>
Otto E. Johnson & Son & Amy Johnson	Sand Coulee, MT 59472	W/2
Duane E. & Elaine F. Knox	Box 73 Sand Coulee, MT 59472	In NW/4 MK 18
State		
William J. & Patricia Tamietti	Star Rt. Stockett, MT 59480	In NW/4 MK 1

SAND COULEE AREA
T19N R5E, Sec. 30

<u>Owner</u>	<u>Address</u>	<u>Legal Description</u>
Joseph G. Fabian	Stockett, MT 59480	Lot 4
Albert F. & Dorothea M. French	1727 8 Ave. N. Great Falls, MT 59401	In NWNW W/RR
Otto E. Johnson & Son & Amy Johnson	Sand Coulee, MT 59472	E/2W/2, E/2, Lot 1-2-3, E/RR

SAND COULEE AREA
T19N R5E, Sec. 31

<u>Owner</u>	<u>Address</u>	<u>Legal Description</u>
Joseph G. Fabian	Box 1 Stockett, MT 59480	Lot 1
Robert Klasner	Stockett, MT 59480	In SW/4 MK 5 LS 1.40
Robert L. & Anthony M. Smerker	Belt, MT 59412	E/2, E/2W/2, Lots 2-3-4 LS 5.61

SAND COULEE AREA
T18N R5E, Sec. 6

<u>Owner</u>	<u>Address</u>	<u>Legal Description</u>
Matt Frisnegger, Jr.	Box 84 Stockett, MT 59480	In Lot 4 MK 2A
Great Northern Railroad Co.		
Robert T. Klasner, Jr.	Stockett, MT 59480	Lots 4 to 7, E/2W/2 LS 13.31 In Lot 7 MK 2B In Lot 7 MK 2C
Richard & Marvene Raunig	Box 50 Stockett, MT 59480	NE/4, N2 SE, SESE
Matt William & Aili Almyra Takala	Stockett, MT 59480	SWSE

SAND COULEE AREA
T18N R5E, Sec. 7

<u>Owner</u>	<u>Address</u>	<u>Legal Description</u>
Anna Leah Dolena	Stockett, MT 59480	PT Lots 1 & 2 MK 3
Felix Menghini	904 Crescent Dr. Great Falls, MT 59404	In Lot 2
Jo Ann Shirley	c/o W. C. Shirley Stockett, MT 59480	In Lots 2 to 4 & E/2SW
Eleanor M. Singles	Stockett, MT 59480	In NE Cor Lot 2 MK 1
Matt William & Aila Almyra Takala	Box 78 Stockett, MT 59480	E/2, E/2NW, In W/2NW & E/2SW LS 20.42

SAND COULEE AREA
T18N R5E, Sec. 18

<u>Owner</u>	<u>Address</u>	<u>Legal Description</u>
Clara D. Gerlach et al	Box G Stockett, MT 59480	W/2SE, NESE, S/2NE, PT NWNE
Joseph Kornowsky Jr.	Box 105 Stockett, MT 59480	SESE
Leo Mayernik et al	Stockett, MT 59480	In W/2 LS 5.16
JoAnn Shirley	c/o W. C. Shirley Stockett, MT 59480	PT Lot 1
Matt William & Aila Almyra Takala	Stockett, MT 59480	NENE, N Pt SENE & N/2NWNE
William Takala	Stockett, MT 59480	In NENW N & E C/RD MK 3

C. Sand Coulee area resident questionnaires

20, 12, 2000

~~Not recorded~~

T.A.P. Inc., a Bozeman based research firm, is assisting the Montana Department of State Lands in examining impacts and possible reclamation of abandoned coal mines in your locality. Your cooperation and input by answering this short survey will help us learn how local property owners feel about these mines.

The survey can be completed by just check marking the appropriate space. Use the pre-addressed, no stamp required envelope to return the survey to us. Your answers will be combined with those of your neighbors and the results will be available to you and to the Department of State Lands. Thank you for your help.

1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? X
- c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	<u> X </u>	_____	_____
b. Surface water quality	_____	_____	<u> X </u> (TOTAL)
c. Subsurface water quality	_____	<u> X </u>	_____
d. Wildlife numbers	_____	<u> X </u>	_____
e. Vegetation growth	_____	<u> X </u>	_____
f. Aesthetics, view	_____	<u> X </u>	_____
g. Land sinkage	<u> X </u>	_____	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No X

4) Do you own the mineral rights beneath your property?
Yes, 100% _____ Yes, Partially _____ Don't know _____
No X The owner is ARCO (AMACOND CO.)

5) Has any of your property been effected by any pollution from abandoned mines?

No _____
Yes X :

		How Much Area?
a. Air quality	_____	_____
b. Surface water quality	<u> X </u>	<u> ALL </u>
c. Subsurface water quality	_____	_____
d. Wildlife numbers	_____	_____
e. Vegetation growth	<u> X </u>	<u> 1/2 ACRE </u>
f. Aesthetics, view	_____	_____
g. Land sinkage	_____	_____
h. Other, (Specify)	_____	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same X

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|----------|
| a. Plugging the mine openings | _____ | <u>X</u> |
| b. Removing the mine waste piles | <u>X</u> | _____ |
| c. Treating the water to clear the streams | <u>X</u> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | <u>X</u> |
| e. Reseeding after cleanup of waste piles | <u>X</u> | _____ |
| f. Using the waste piles on roads | _____ | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
b. No X

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

WE SUSPECT THAT PREVIOUS ATTEMPTS TO PLUG
MINES CAUSED DETERIORATION OF OUR DEEP-WELL
WATER SUPPLY BY UNDERGROUND RE-CHANNELING.
A SMALL STREAM RUNNING THROUGH OUR LAND IS
100% UNUSABLE (SULPHUROUS)

Your Name: CULLEN A. LEE

~~Not recorded~~

greatfalls

T.A.P. Inc., a Bozeman based research firm, is assisting the Montana Department of State Lands in examining impacts and possible reclamation of abandoned coal mines in your locality. Your cooperation and input by answering this short survey will help us learn how local property owners feel about these mines.

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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? X
- c. A landowner? X

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	<u> X </u>	_____	_____
b. Surface water quality	_____	<u> X </u>	_____
c. Subsurface water quality	_____	<u> X </u>	_____
d. Wildlife numbers	<u> X </u>	_____	_____
e. Vegetation growth	_____	<u> X </u>	_____
f. Aesthetics, view	_____	<u> X </u>	_____
g. Land sinkage	_____	<u> X </u>	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No X

4) Do you own the mineral rights beneath your property?
Yes, 100% X Yes, Partially _____ Don't know _____
No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No X
Yes _____:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify)	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off X
b. Worse off _____
c. About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|-------|
| a. Plugging the mine openings | <u>X</u> | _____ |
| b. Removing the mine waste piles | <u>X</u> | _____ |
| c. Treating the water to clear the streams | <u>X</u> | _____ |
| d. Drilling wells to stop or reduce water flows | <u>X</u> | _____ |
| e. Reseeding after cleanup of waste piles | <u>X</u> | _____ |
| f. Using the waste piles on roads | <u>X</u> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes X
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name: _____

PUT IN SC.

T.A.P. Inc., a Bozeman based research firm, is assisting the Montana Department of State Lands in examining impacts and possible reclamation of abandoned coal mines in your locality. Your cooperation and input by answering this short survey will help us learn how local property owners feel about these mines.

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1) Are you:

- a. A farmer/rancher? _____
b. A homeowner? ✓ _____
c. A landowner? ✓ _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	<u>✓</u>	<u>✓</u>	_____
b. Surface water quality	_____	<u>✓</u>	_____
c. Subsurface water quality	_____	<u>✓</u>	_____
d. Wildlife numbers	<u>✓</u>	_____	_____
e. Vegetation growth	_____	<u>✓</u>	_____
f. Aesthetics, view	_____	_____	<u>✓</u>
g. Land sinkage	<u>✓</u>	_____	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know ✓
No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓
Yes _____:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify)	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒ _____

Yes _____:

		About How Many Annual Dollars?
a. Reduced crop yield	_____	_____
b. Reduced livestock yield	_____	_____
c. Reduced land value	_____	_____
d. Reduced home value	_____	_____
e. Personal Health or safety	_____	_____
f. Other, (Specify)	_____	_____

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

a. Better off _____

b. Worse off _____

c. About the Same 2 _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

	Yes	No
a. Plugging the mine openings	<input checked="" type="checkbox"/> _____	_____
b. Removing the mine waste piles	_____	<input checked="" type="checkbox"/> _____
c. Treating the water to clear the streams	_____	<input checked="" type="checkbox"/> _____
d. Drilling wells to stop or reduce water flows	_____	<input checked="" type="checkbox"/> _____
e. Reseeding after cleanup of waste piles	_____	<input checked="" type="checkbox"/> _____
f. Using the waste piles on roads	<input checked="" type="checkbox"/> _____	_____
g. Other, (Specify) _____	_____	_____

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

a. Yes _____

b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name: _____

Concerning Sand Coulee Creek, Montana area ^{Great Falls}

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1) Are you:

- a. A farmer/rancher? ☒
- b. A homeowner? ☒
- c. A landowner? ☒

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Surface water quality	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c. Subsurface water quality	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d. Wildlife numbers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. Vegetation growth	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
f. Aesthetics, view	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
g. Land sinkage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
h. Other (specify)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

3) Is there a mine site on your property? Yes ☒ No ☐

4) Do you own the mineral rights beneath your property?

Yes, 100% ☐ Yes, Partially ☒ Don't know ☐
No ☐ The owner is

5) Has any of your property been effected by any pollution from abandoned mines?

No ☐
Yes ☒

		How Much Area?
a. Air quality	<input type="checkbox"/>	<input type="text"/>
b. Surface water quality	<input checked="" type="checkbox"/>	<input type="text"/>
c. Subsurface water quality	<input checked="" type="checkbox"/>	<input type="text"/>
d. Wildlife numbers	<input type="checkbox"/>	<input type="text"/>
e. Vegetation growth	<input checked="" type="checkbox"/>	<input type="text"/>
f. Aesthetics, view	<input checked="" type="checkbox"/>	<input type="text"/>
g. Land sinkage	<input type="checkbox"/>	<input type="text"/>
h. Other, (Specify)	<input type="checkbox"/>	<input type="text"/>

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No _____
Yes _____:

About How _____
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|---------|-------|
| a. Plugging the mine openings | _____ | _____ |
| b. Removing the mine waste piles | _____ | _____ |
| c. Treating the water to clear the streams | ✓ _____ | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | _____ | _____ |
| f. Using the waste piles on roads | _____ | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes ✓ _____
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name:

Eidel Ranch, Inc. by Jack Eidel

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1) Are you:

- a. A farmer/rancher? ☒
- b. A homeowner? ☐
- c. A landowner? ☒

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Surface water quality	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c. Subsurface water quality	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d. Wildlife numbers	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. Vegetation growth	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f. Aesthetics, view	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
g. Land sinkage	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
h. Other (specify)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

3) Is there a mine site on your property? Yes ☒ No ☐

4) Do you own the mineral rights beneath your property?

Yes, 100% ☐ Yes, Partially ☒ Don't know ☐
 No ☐ The owner is

5) Has any of your property been effected by any pollution from abandoned mines?

No ☐
 Yes ☒:

	How Much Area?
a. Air quality	<input type="text"/>
b. Surface water quality	<input type="text" value="20 A"/>
c. Subsurface water quality	<input type="text"/>
d. Wildlife numbers	<input type="text"/>
e. Vegetation growth	<input type="text"/>
f. Aesthetics, view	<input type="text"/>
g. Land sinkage	<input type="text"/>
h. Other, (Specify)	<input type="text"/>

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No _____
Yes ✓:

		About How Many Annual Dollars?
a. Reduced crop yield	_____	<u>\$450</u>
b. Reduced livestock yield	_____	_____
c. Reduced land value	_____	_____
d. Reduced home value	_____	_____
e. Personal Health or safety	_____	_____
f. Other, (Specify)	_____	_____

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

a. Better off ✓
b. Worse off _____
c. About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

	Yes	No
a. Plugging the mine openings	_____	<u>✓</u>
b. Removing the mine waste piles	_____	<u>✓</u>
c. Treating the water to clear the streams	<u>✓</u>	_____
d. Drilling wells to stop or reduce water flows	_____	<u>✓</u>
e. Reseeding after cleanup of waste piles	_____	_____
f. Using the waste piles on roads	_____	<u>✓</u>
g. Other, (Specify) _____	_____	_____

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

a. Yes _____
b. No ✓

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

It would be nice to have
the 2 small streams on our property
running clear - but it looks like
an impossible task. The waste piles on
our property are land marks & should be left
there.

Your Name: Marilyn Charter

Linnet W. Charter
PO Box 96

Chapman, Montana



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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? _____
- c. A landowner? yes

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	<u>very slight</u>	_____	_____
b. Surface water quality	<u>very slight</u>	_____	_____
c. Subsurface water quality	<u>very slight</u>	_____	_____
d. Wildlife numbers	_____	_____	_____
e. Vegetation growth	_____	<u>slight</u>	_____
f. Aesthetics, view	<u>none</u>	_____	_____
g. Land sinkage	_____	_____	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes X No _____

4) Do you own the mineral rights beneath your property?
 Yes, 100% _____ Yes, Partially X Don't know _____
 No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No X
 Yes _____:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify)	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ✓
Yes _____:

	_____	About How Many Annual Dollars?
a. Reduced crop yield	_____	_____
b. Reduced livestock yield	_____	_____
c. Reduced land value	_____	_____
d. Reduced home value	_____	_____
e. Personal Health or safety	_____	_____
f. Other, (Specify)	_____	_____

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

a. Better off ✓
b. Worse off _____
c. About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

	Yes	No
a. Plugging the mine openings	_____	_____
b. Removing the mine waste piles	_____	_____
c. Treating the water to clear the streams	_____	_____
d. Drilling wells to stop or reduce water flows	_____	_____
e. Reseeding after cleanup of waste piles	_____	_____
f. Using the waste piles on roads	_____	_____
g. Other, (Specify) _____	_____	_____

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

a. Yes _____
b. No ✓

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name:

William & Aili Almyra Takala

Box 89

Spokane, WA 99201

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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? ✓ _____
- c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	_____	_____	_____
b. Surface water quality	_____	_____	<u>✓</u> _____
c. Subsurface water quality	_____	_____	<u>✓</u> _____
d. Wildlife numbers	_____	_____	_____
e. Vegetation growth	_____	_____	<u>✓</u> _____
f. Aesthetics, view	_____	_____	<u>✓</u> _____
g. Land sinkage	_____	_____	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No ✓ _____

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____
 No ✓ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No _____
 Yes ✓ _____:

	How Much Area?
a. Air quality	_____
b. Surface water quality	<u>✓</u> _____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	<u>✓</u> _____
g. Land sinkage	_____
h. Other, (Specify)	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No _____
Yes ✓ _____:

About How _____
Many Annual Dollars?

- | | | |
|------------------------------|----------------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | <u>✓</u> _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) _____ | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off ✓ _____
c. About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------------|----------------|
| a. Plugging the mine openings | <u>✓</u> _____ | _____ |
| b. Removing the mine waste piles | <u>✓</u> _____ | _____ |
| c. Treating the water to clear the streams | <u>✓</u> _____ | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | <u>✓</u> _____ |
| e. Reseeding after cleanup of waste piles | <u>✓</u> _____ | _____ |
| f. Using the waste piles on roads | <u>✓</u> _____ | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes ✓ _____
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Clearing up the mine sites would be a good idea
to make the area look better and make it safer
for the children.

Your Name: Miss Paula (Paw)

Concerning Sand Coulee Creek, Montana area ^{Williston, ND}

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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? _____
- c. A landowner? ✓

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	_____	_____	_____
b. Surface water quality	_____	_____	_____
c. Subsurface water quality	_____	_____	_____
d. Wildlife numbers	_____	_____	_____
e. Vegetation growth	_____	_____	_____
f. Aesthetics, view	_____	_____	_____
g. Land sinkage	_____	_____	_____
h. Other (specify)	_____	_____	_____
_____	<u> ✓ </u>	_____	_____

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property?

Yes, 100% X Yes, Partially _____ Don't know _____
No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No X
Yes _____:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify)	_____
_____	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same X

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|-------|
| a. Plugging the mine openings | _____ | _____ |
| b. Removing the mine waste piles | _____ | _____ |
| c. Treating the water to clear the streams | <u>X</u> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | <u>X</u> | _____ |
| f. Using the waste piles on roads | _____ | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name:

Archie and Lillian Zuerch
c/o Tower of Wheels
Williston ND 58601

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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? X _____
- c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	_____	<u>X</u> _____	_____
b. Surface water quality	_____	<u>X</u> _____	_____
c. Subsurface water quality	_____	<u>X</u> _____	_____
d. Wildlife numbers	_____	<u>X</u> _____	_____
e. Vegetation growth	_____	<u>X</u> _____	_____
f. Aesthetics, view	_____	<u>X</u> _____	_____
g. Land sinkage	_____	<u>X</u> _____	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No X _____

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially X _____ Don't know _____
No X The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No X _____
Yes _____:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify)	_____

6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes ☐

		About How Many Annual Dollars?
a. Reduced crop yield	_____	_____
b. Reduced livestock yield	_____	_____
c. Reduced land value	_____	_____
d. Reduced home value	_____	_____
e. Personal Health or safety	_____	_____
f. Other, (Specify)	_____	_____

7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

a. Better off _____
b. Worse off _____
c. About the Same ☒

8) If the project and its cost was government sponsored, would you like to see any of the following done?

	Yes	No
a. Plugging the mine openings	<input checked="" type="checkbox"/>	_____
b. Removing the mine waste piles	<input checked="" type="checkbox"/>	_____
c. Treating the water to clear the streams	<input checked="" type="checkbox"/>	_____
d. Drilling wells to stop or reduce water flows	<input checked="" type="checkbox"/>	_____
e. Reseeding after cleanup of waste piles	<input checked="" type="checkbox"/>	_____
f. Using the waste piles on roads	<input checked="" type="checkbox"/>	_____
g. Other, (Specify) _____	_____	_____

9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

a. Yes _____
b. No ☒

10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name: _____

Sand Cou. cc ✓

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- 1) Are you:
- a. A farmer/rancher? _____
 - b. A homeowner? ✓
 - c. A landowner? _____

- 2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	_____	<u>✓</u>	_____
b. Surface water quality	_____	_____	<u>✓</u>
c. Subsurface water quality	_____	<u>✓</u>	_____
d. Wildlife numbers	<u>✓</u>	_____	_____
e. Vegetation growth	_____	<u>✓</u>	_____
f. Aesthetics, view	_____	<u>✓</u>	_____
g. Land sinkage	_____	<u>✓</u>	_____
h. Other (specify)	_____	_____	_____

- 3) Is there a mine site on your property? Yes _____ No ✓

- 4) Do you own the mineral rights beneath your property?
Yes, 100% _____ Yes, Partially _____ Don't know _____
No ✓ The owner is UNKNOWN

- 5) Has any of your property been effected by any pollution from abandoned mines?

No _____
Yes ✓

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	<u>4 ACRES</u>
g. Land sinkage	_____
h. Other, (Specify)	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No

Yes ☒:

		About How Many Annual Dollars?
a. Reduced crop yield	_____	_____
b. Reduced livestock yield	_____	_____
c. Reduced land value	_____	_____
d. Reduced home value	_____	4,000 ⁰⁰
e. Personal Health or safety	_____	_____
f. Other, (Specify)	_____	_____

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

a. Better off _____

b. Worse off ☒ _____

c. About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

	Yes	No
a. Plugging the mine openings	_____	<input checked="" type="checkbox"/>
b. Removing the mine waste piles	<input checked="" type="checkbox"/>	_____
c. Treating the water to clear the streams	<input checked="" type="checkbox"/>	_____
d. Drilling wells to stop or reduce water flows	_____	<input checked="" type="checkbox"/>
e. Reseeding after cleanup of waste piles	<input checked="" type="checkbox"/>	_____
f. Using the waste piles on roads	_____	<input checked="" type="checkbox"/>
g. Other, (Specify) _____	_____	_____

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

a. Yes ☒

b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

IT IS VERY ESSENTIAL THE WATER BE ALLOWED TO DRAIN FROM THE
MINES. IF THE OPENING IS SEALED THE WATER WILL SEEP OUT THE HILL-
SIDES KILLING ALL VEGETATION AND WILL EVENTUALLY WORK ITS WAY
INTO SPRINGS AND UNDERGROUND WATER SUPPLIES. I WOULD LIKE TO SEE
CONCRETE CULVERTS INSTALLED IN THE MINE OPENINGS TO ALLOW FOR
DRAINAGE BEFORE CLOSING THE OPENINGS TO THE OUTSIDE AIR.

Your Name: William T. Surmi

I WOULD APPRECIATE ANY INFORMATION ON PROPOSED PROJECTS AND THERE SHOULD BE AN OPPORTUNITY FOR COMMUNITY INPUT

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1) Are you:

- a. A farmer/rancher? _____
 b. A homeowner? X
 c. A landowner? X

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	_____	_____	_____
b. Surface water quality	_____	_____	<u>X</u>
c. Subsurface water quality	_____	_____	<u>X</u>
d. Wildlife numbers	_____	_____	_____
e. Vegetation growth	_____	<u>X</u>	_____
f. Aesthetics, view	_____	_____	_____
g. Land sinkage	_____	<u>X</u>	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No X

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____
 No X The owner is 20

5) Has any of your property been effected by any pollution from abandoned mines?

No _____
 Yes X:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify)	_____

Seepage of mine water into basement when
water level goes up in mines, when our son
ad a leak in his water pipes, when digging found mine water
no doubt it effects sewer systems too.

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No 8
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same X

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|-------|
| a. Plugging the mine openings | _____ | _____ |
| b. Removing the mine waste piles | _____ | _____ |
| c. Treating the water to clear the streams | <u>X</u> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | _____ | _____ |
| f. Using the waste piles on roads | <u>X</u> | _____ |
| g. Other, (Specify) | _____ | |

Plugging mine openings would just cause it to seep out some place else such as our basement.

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes X *also we have a 6yd dump truck & a 10-4*
b. No _____ *cat is interested in renting them.*

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Find a way to drain water from mines, you close the openings, it will seep out someplace else.
Clean out the creek bed to make a deeper channel and make it look better

Your Name: Albert Kovic

Concerning Sand Coulee Creek, Montana area

LaGrange, Wintola
21500-72 Ave. W
Edmonds, WA
98021

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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? _____
- c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	_____	_____	_____
b. Surface water quality	_____	_____	_____
c. Subsurface water quality	_____	_____	_____
d. Wildlife numbers	_____	_____	_____
e. Vegetation growth	_____	_____	_____
f. Aesthetics, view	_____	_____	_____
g. Land sinkage	_____	_____	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No _____

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____
No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No _____
Yes _____:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify)	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No _____

Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------|-------|
| a. Plugging the mine openings | _____ | _____ |
| b. Removing the mine waste piles | _____ | _____ |
| c. Treating the water to clear the streams | _____ | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | _____ | _____ |
| f. Using the waste piles on roads | _____ | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

12-23-80

You
think we
need help
so, please
let us
know.
J.W.

We have sold our property in
Sand Creek and have not resided
there for several years. Therefore
I doubt that we could accurately
answer your questions.

Your Name:

I am happy to hear someone

is concerned about pollution in
the Sand Creek - Loretta Wistala

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1) Are you:

- a. A farmer/rancher? ☒
 b. A homeowner?
 c. A landowner?

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	<input checked="" type="checkbox"/>	<u> </u>	<u> </u>
b. Surface water quality	<u> </u>	<u> </u>	<input checked="" type="checkbox"/>
c. Subsurface water quality	<u> </u>	<u> </u>	<input checked="" type="checkbox"/> in the sinkhole areas
d. Wildlife numbers	<u> </u>	<u> </u>	<input checked="" type="checkbox"/>
e. Vegetation growth	<u> </u>	<u> </u>	<input checked="" type="checkbox"/>
f. Aesthetics, view	<u> </u>	<u> </u>	<input checked="" type="checkbox"/>
g. Land sinkage	<input checked="" type="checkbox"/>	<u> </u>	<u> </u>
h. Other (specify)	<u> </u>	<u> </u>	<u> </u>

3) Is there a mine site on your property? Yes

No ☒

but it is partially mined & out.

4) Do you own the mineral rights beneath your property?

Yes, 100% Yes, Partially ☒ Don't know
 No The owner is U.S.A. & BN or Continental Coal out of Denver.

5) Has any of your property been effected by any pollution from abandoned mines?

No ☒
 Yes :

	How Much Area?
a. Air quality	<u> </u>
b. Surface water quality	<u> </u>
c. Subsurface water quality	<u> </u>
d. Wildlife numbers	<u> </u>
e. Vegetation growth	<u> </u>
f. Aesthetics, view	<u> </u>
g. Land sinkage	<u> </u>
h. Other, (Specify)	<u> </u>

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ✓
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same ✓

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|----------|
| a. Plugging the mine openings | <u>✓</u> | _____ |
| b. Removing the mine waste piles | <u>✓</u> | _____ |
| c. Treating the water to clear the streams | <u>✓</u> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | <u>✓</u> |
| e. Reseeding after cleanup of waste piles | <u>✓</u> | _____ |
| f. Using the waste piles on roads | _____ | <u>✓</u> |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
b. No ✓ as there is nothing to clean up on our property.

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Pa. plugging the mine openings would make the area look better but it wouldn't stop the water pollution.

Pa. I can't see where drilling wells would stop or reduce the water flow from the mines.

Pa. The cinder and waste piles are no good for road surfaces. They blow & wash off in a few years.

Your Name: Eddy A. Hakala

Sand Point ✓

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1) Are you:

- a. A farmer/rancher? _____
b. A homeowner? ✓ _____
c. A landowner? ✓ _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	<u>✓</u>	_____	_____
b. Surface water quality	_____	_____	<u>✓</u>
c. Subsurface water quality	_____	_____	<u>✓</u>
d. Wildlife numbers	<u>✓</u>	_____	_____
e. Vegetation growth	<u>✓</u>	_____	_____
f. Aesthetics, view	<u>✓</u>	_____	_____
g. Land sinkage	<u>✓</u>	_____	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially ✓ _____ Don't know _____
No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No _____
Yes ✓ _____

		How Much Area?
a. Air quality	_____	_____
b. Surface water quality	<u>✓</u>	<u>100%</u>
c. Subsurface water quality	<u>✓</u>	<u>100%</u>
d. Wildlife numbers	_____	_____
e. Vegetation growth	_____	_____
f. Aesthetics, view	_____	_____
g. Land sinkage	_____	_____
h. Other, (Specify)	_____	_____

6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒

Yes _____:

About How
Many Annual Dollars?

a. Reduced crop yield _____

b. Reduced livestock yield _____

c. Reduced land value _____

d. Reduced home value _____

e. Personal Health or safety _____

f. Other, (Specify) _____

7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

a. Better off _____

b. Worse off _____

c. About the Same ☒

8) If the project and its cost was government sponsored, would you like to see any of the following done?

a. Plugging the mine openings

b. Removing the mine waste piles

c. Treating the water to clear the streams

d. Drilling wells to stop or reduce water flows

e. Reseeding after cleanup of waste piles

f. Using the waste piles on roads

g. Other, (Specify) _____

Yes

No

☒

☒

☒

☐

☒

☒

☒

☐

☒

☐

☒

☐

☐

☐

9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

a. Yes _____

b. No _____

10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

To protect our clean water wells
so no mine water flows into them

Your Name:

Lawrence J. Melot

Long Drive

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1) Are you:

- a. A farmer/rancher? _____
 b. A homeowner? X
 c. A landowner? X

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	_____	_____	_____
b. Surface water quality	_____	_____	<u>X</u>
c. Subsurface water quality	_____	_____	<u>X</u>
d. Wildlife numbers	_____	_____	<u>X</u>
e. Vegetation growth	_____	_____	<u>X</u>
f. Aesthetics, view	_____	_____	<u>X</u>
g. Land sinkage	_____	_____	<u>X</u>
h. Other (specify)	_____	_____	_____
<u>the entire valley is in a mess</u>			

3) Is there a mine site on your property? Yes yes No _____

4) Do you own the mineral rights beneath your property?
 Yes, 100% _____ Yes, Partially _____ Don't know X
 No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No _____
 Yes X:

		How Much Area?
a. Air quality	_____	_____
b. Surface water quality	<u>X</u>	<u>all</u>
c. Subsurface water quality	<u>X</u>	<u>all</u>
d. Wildlife numbers	<u>X</u>	<u>all</u>
e. Vegetation growth	<u>X</u>	<u>partially</u>
f. Aesthetics, view	<u>X</u>	<u>all</u>
g. Land sinkage	<u>X</u>	<u>all</u>
h. Other, (Specify)	_____	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No _____
Yes X _____:

About How
Many Annual Dollars?

- | | | |
|----------------------------------|----------------|--------------------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | <u>X</u> _____ | <u>10000</u> _____ |
| d. Reduced home value | <u>X</u> _____ | <u>5000</u> _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |
| <u>can't put a figure on it.</u> | | |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off X _____
c. About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-----------------------------|----------------|
| a. Plugging the mine openings | <u>X</u> _____ | _____ |
| b. Removing the mine waste piles | <u>X</u> _____ | _____ |
| c. Treating the water to clear the streams | <u>X</u> _____ | _____ |
| d. Drilling wells to stop or reduce water flows | <u>X</u> _____ | _____ |
| e. Reseeding after cleanup of waste piles | <u>X</u> _____ | _____ |
| f. Using the waste piles on roads | <u>X</u> _____ | <u>N</u> _____ |
| g. Other, (Specify) | <u>to many to say</u> _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes X _____
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

something should really be
done about sites.

Your Name: Allen G. Gammie

Allen G. Gammie
General Dr.

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1) Are you:

- a. A farmer/rancher? _____
 b. A homeowner? _____
 c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	<input checked="" type="checkbox"/>		
b. Surface water quality		<input checked="" type="checkbox"/>	
c. Subsurface water quality	<input checked="" type="checkbox"/>		
d. Wildlife numbers	<input checked="" type="checkbox"/>		
e. Vegetation growth		<input checked="" type="checkbox"/>	
f. Aesthetics, view		<input checked="" type="checkbox"/>	
g. Land sinkage	<input checked="" type="checkbox"/>		
h. Other (specify) _____	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No ☒

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know ☒
 No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ☒
 Yes _____:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify) _____	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off ☒
b. Worse off _____
c. About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------|-------|
| a. Plugging the mine openings | _____ | _____ |
| b. Removing the mine waste piles | _____ | _____ |
| c. Treating the water to clear the streams | _____ | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | _____ | _____ |
| f. Using the waste piles on roads | _____ | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
b. No ☒

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

*I think government should
reduce spending - Not spend
it on this project*

Your Name: _____

Concerning Sand Coulee Creek, Montana area

9/20/79 S ✓

T.A.P. Inc., a Bozeman based research firm, is assisting the Montana Department of State Lands in examining impacts and possible reclamation of abandoned coal mines in your locality. Your cooperation and input by answering this short survey will help us learn how local property owners feel about these mines.

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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? _____
- c. A landowner? X

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	<u> X </u>	_____	_____
b. Surface water quality	_____	_____	<u> X </u>
c. Subsurface water quality	_____	_____	<u> X </u>
d. Wildlife numbers	<u> X </u>	_____	_____
e. Vegetation growth	_____	<u> X </u>	_____
f. Aesthetics, view	_____	_____	<u> X </u>
g. Land sinkage	_____	_____	<u> X </u>
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No X

4) Do you own the mineral rights beneath your property?

Yes, 100% X Yes, Partially _____ Don't know _____
No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No X
Yes _____:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify)	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same X

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|----------|
| a. Plugging the mine openings | <u>X</u> | _____ |
| b. Removing the mine waste piles | <u>X</u> | _____ |
| c. Treating the water to clear the streams | _____ | <u>X</u> |
| d. Drilling wells to stop or reduce water flows | _____ | <u>X</u> |
| e. Reseeding after cleanup of waste piles | <u>X</u> | _____ |
| f. Using the waste piles on roads | <u>X</u> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
b. No X

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name:

Lesley M Hatcher
1910 2nd Ave No
Great Falls Mont.

Source: Google
T.A.P., What is TAP for? Just another rip off of the government to TAKE more money from Landowners for NONSENSE!

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1) Are you:

- a. A farmer/rancher? _____
b. A homeowner? X
c. A landowner? X

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	<u>X</u>		
b. Surface water quality		<u>X</u>	
c. Subsurface water quality	<u>X</u>		
d. Wildlife numbers	<u>X</u>		
e. Vegetation growth	<u>X</u>		
f. Aesthetics, view	<u>X</u>		
g. Land sinkage	<u>X</u>		
h. Other (specify) <u>Anything to spend money</u>			<u>X</u>

3) Is there a mine site on your property? Yes _____ No X

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially X Don't know _____
No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No X
Yes _____:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify)	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes :

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

Your first study cost everyone - \$\$\$\$

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off X
b. Worse off
c. About the Same

Paid by tax payers

- 8) If the project and its cost was ~~government sponsored~~, would you like to see any of the following done? who is the government?

- | | Yes | No |
|--|----------|----------|
| a. Plugging the mine openings | _____ | <u>X</u> |
| b. Removing the mine waste piles | _____ | <u>X</u> |
| c. Treating the water to clear the streams | _____ | <u>X</u> |
| d. Drilling wells to stop or reduce water flows | _____ | <u>X</u> |
| e. Reseeding after cleanup of waste piles | _____ | <u>X</u> |
| f. Using the waste piles on roads | _____ | <u>X</u> |
| g. Other, (Specify) <u>Stay out of this area</u> | <u>X</u> | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes X
b. No

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Why plug mine openings? So the water will run out
some place else. you can't treat the water any
better than "Mother Nature". Do you know what
the acid content was in the water 40 years ago
compared to now? The water is getting clearer all
the time on it's own. Why drill holes to

Your Name: _____

stop water flow?

(is on the
other side)

(over)
1

If you people would stop and think, you might realize that drilling hole deeper you MAY: (A) Ruin ANY subsurface water quality. (B) Ruin ANY drinking water. (C) To top it all off what would you say to the TAXPAYERS when "Giant Springs" turned up with Rust color in it? Do you folks know the under ground course of Giant Springs before it comes to surface?

Now you folks are talking about spreading ~~ash~~ ash piles or cinders on roads. If ~~nothing~~ grass or vegetation don't grow on them now what happens when you put them on roads? you kill any vegetation growth along the road ways. Why don't you folks hold a meeting on this with the LANDOWNERS?

I would be happy to hear from T. A.P. regarding my comments and your answers.

Thank you

Frank W. Hein & Nancy Hein
Box 65
Sand Coulee, Mont.
59472

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1) Are you:

- a. A farmer/rancher? ✓
 b. A homeowner? _____
 c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	_____	_____	_____
b. Surface water quality	_____	_____	_____
c. Subsurface water quality	_____	<u>✓</u>	_____
d. Wildlife numbers	_____	_____	_____
e. Vegetation growth	_____	_____	_____
f. Aesthetics, view	_____	_____	_____
g. Land sinkage	_____	_____	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially ✓ Don't know _____
 No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓
 Yes _____:

- a. Air quality _____
 b. Surface water quality _____
 c. Subsurface water quality _____
 d. Wildlife numbers _____
 e. Vegetation growth _____
 f. Aesthetics, view _____
 g. Land sinkage _____
 h. Other, (Specify) _____

How Much Area?

None

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes _____:

About How
Many Annual Dollars?

a. Reduced crop yield	_____	_____
b. Reduced livestock yield	_____	_____
c. Reduced land value	_____	_____
d. Reduced home value	_____	_____
e. Personal Health or safety	_____	_____
f. Other, (Specify)	_____	_____

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

a. Better off _____
b. Worse off _____
c. About the Same ☒

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

	Yes	No
a. Plugging the mine openings	_____	_____
b. Removing the mine waste piles	_____	_____
c. Treating the water to clear the streams	_____	_____
d. Drilling wells to stop or reduce water flows	_____	_____
e. Reseeding after cleanup of waste piles	<input checked="" type="checkbox"/>	_____
f. Using the waste piles on roads	_____	_____
g. Other, (Specify) _____	_____	_____

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

a. Yes _____
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name: Timothy J. [Signature]

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1) Are you:

- a. A farmer/rancher? _____
 b. A homeowner? X
 c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	_____	_____	_____
b. Surface water quality	_____	_____	<u> X </u>
c. Subsurface water quality	_____	_____	_____
d. Wildlife numbers	_____	_____	_____
e. Vegetation growth	_____	_____	_____
f. Aesthetics, view	_____	_____	_____
g. Land sinkage	_____	_____	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No X

4) Do you own the mineral rights beneath your property?
 Yes, 100% _____ Yes, Partially _____ Don't know X
 No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No X
 Yes _____

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify)	_____

les of coal slack cover part of the land close
the house.

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes ☐

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------------------------------------|--------------------------|
| a. Reduced crop yield | <input type="checkbox"/> | <input type="checkbox"/> |
| b. Reduced livestock yield | <input type="checkbox"/> | <input type="checkbox"/> |
| c. Reduced land value | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| d. Reduced home value | <input type="checkbox"/> | <input type="checkbox"/> |
| e. Personal Health or safety | <input type="checkbox"/> | <input type="checkbox"/> |
| f. Other, (Specify) | <input type="checkbox"/> | <input type="checkbox"/> |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off ☐
b. Worse off ☐
c. About the Same ☒

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------------------------------------|--------------------------|
| a. Plugging the mine openings | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| b. Removing the mine waste piles | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| d. Drilling wells to stop or reduce water flows | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| e. Reseeding after cleanup of waste piles | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| f. Using the waste piles on roads | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| g. Other, (Specify) _____ | <input type="checkbox"/> | <input type="checkbox"/> |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes ☒
b. No ☐

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name: Rick Yurok

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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? ☒ _____
- c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	_____	_____	<input checked="" type="checkbox"/> _____
b. Surface water quality	_____	_____	_____
c. Subsurface water quality	_____	_____	_____
d. Wildlife numbers	_____	_____	_____
e. Vegetation growth	_____	_____	_____
f. Aesthetics, view	_____	_____	_____
g. Land sinkage	_____	_____	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No ☒ _____

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____
 No _____ The owner is Robert R. Hesser

5) Has any of your property been effected by any pollution from abandoned mines?

No _____
 Yes ☒ _____

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify)	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No _____
Yes ✓

About How Many Annual Dollars?

- | | | |
|------------------------------|----------|-------|
| a. Reduced crop yield | <u>✓</u> | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

*one year
1009 Dollars*

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off ✓
c. About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|-------|
| a. Plugging the mine openings | <u>✓</u> | _____ |
| b. Removing the mine waste piles | _____ | _____ |
| c. Treating the water to clear the streams | <u>✓</u> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | _____ | _____ |
| f. Using the waste piles on roads | _____ | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

*at High Water the Pollution gets into My Garden
and it also gets onto our County Road
In Winter it freezes right on the right on the Road.
I have 1 1/2 acres of land*

Your Name:

Walt Truener
13x 84 Stockville Montana

59480

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1) Are you:

- a. A farmer/rancher? _____
 b. A homeowner? _____
 c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	<input checked="" type="checkbox"/>	_____	_____
b. Surface water quality	_____	<input checked="" type="checkbox"/>	_____
c. Subsurface water quality	_____	<input checked="" type="checkbox"/>	_____
d. Wildlife numbers	_____	<input checked="" type="checkbox"/>	_____
e. Vegetation growth	_____	<input checked="" type="checkbox"/>	_____
f. Aesthetics, view	<input checked="" type="checkbox"/>	_____	_____
g. Land sinkage	<input checked="" type="checkbox"/>	_____	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No ☒

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know ☒
 No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ☒
 Yes _____:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify)	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

a. Better off _____
b. Worse off _____
c. About the Same ☒

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

	Yes	No
a. Plugging the mine openings	_____	<input checked="" type="checkbox"/>
b. Removing the mine waste piles	<input checked="" type="checkbox"/>	_____
c. Treating the water to clear the streams	<input checked="" type="checkbox"/>	_____
d. Drilling wells to stop or reduce water flows	_____	<input checked="" type="checkbox"/>
e. Reseeding after cleanup of waste piles	<input checked="" type="checkbox"/>	_____
f. Using the waste piles on roads	<input checked="" type="checkbox"/>	_____
g. Other, (Specify) _____	_____	_____

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

a. Yes _____
b. No ☒

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

By Plugging the mine holes it
mess up our water wells.
The mine water will go
in our wells.

Your Name: George Saha

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1) Are you:

- a. A farmer/rancher? _____
 b. A homeowner? X
 c. A landowner? X

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	_____	<u> X </u>	_____
b. Surface water quality	_____	_____	<u> X </u>
c. Subsurface water quality	_____	<u> X </u>	_____
d. Wildlife numbers	_____	_____	<u> X </u>
e. Vegetation growth	_____	_____	<u> X </u>
f. Aesthetics, view	_____	_____	<u> XXXX </u>
g. Land sinkage	_____	<u> X </u>	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes X No _____

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know X
 No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No _____
 Yes X :

		How Much Area?
a. Air quality	<u> X </u>	<u> APPROX. 2½ ACRES </u>
b. Surface water quality	<u> X </u>	<u> SAME </u>
c. Subsurface water quality	<u> ? </u>	_____
d. Wildlife numbers	<u> X </u>	<u> SAME </u>
e. Vegetation growth	<u> X </u>	<u> SAME </u>
f. Aesthetics, view	<u> X </u>	<u> THE WHOLE </u> AREA AROUND
g. Land sinkage	<u> ? </u>	_____
h. Other, (Specify)	_____	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No _____
Yes X :

About How
Many Annual Dollars?

a. Reduced crop yield	_____	_____
b. Reduced livestock yield	_____	_____
c. Reduced land value	<u>X</u>	<u>?</u>
d. Reduced home value	<u>X</u>	<u>?</u>
e. Personal Health or safety	<u>X</u>	<u>?</u>
f. Other, (Specify)	_____	_____

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

a. Better off _____
b. Worse off X
c. About the Same _____

THIS QUESTION IS DEBATEABLE FOR SEVERAL REASONS.....

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

	Yes	No
a. Plugging the mine openings	<u>X</u>	_____
b. Removing the mine waste piles	<u>X</u>	_____
c. Treating the water to clear the streams	<u>X</u>	_____
d. Drilling wells to stop or reduce water flows	_____	<u>X</u>
e. Reseeding after cleanup of waste piles	<u>X</u>	_____
f. Using the waste piles on roads	<u>?</u>	<u>?</u>
g. Other, (Specify) _____	_____	_____

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

a. Yes X
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

SEVERAL YEARS AGO, I WROTE TO WASHINGTON, REGARDING THIS ISSUE.

I DO KNOW THAT THE FUNDS HAVE BEEN ALOCATED, BUT SO FAR NOTHING
HAS BEEN DONE TO ELEVATE ANY OF THE PROBLEMS, NOR HAVE WE HEARD
ANYTHING. WE HAVE DONE ALOT OF WORK TO MAKE THIS AREA AT LEAST

LIVABLE, BUT THERE STILL ARE MANY PROBLEMS

Your Name: Ronald & Judith F. Guisti

Ronald N. & Judith F.

Guisti

Box 93

Sand Coulee, MT 59472



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- 1) Are you:
- a. A farmer/rancher? _____
 - b. A homeowner? ✓
 - c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	<u> ✓ </u>	_____	_____
b. Surface water quality	_____	<u> ✓ </u>	_____
c. Subsurface water quality	_____	<u> ✓ </u>	_____
d. Wildlife numbers	<u> ✓ </u>	_____	_____
e. Vegetation growth	<u> ✓ </u>	_____	_____
f. Aesthetics, view	<u> ✓ </u>	_____	_____
g. Land sinkage	_____	<u> ✓ </u>	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property?
 Yes, 100% _____ Yes, Partially _____ Don't know _____
 No ✓ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓
 Yes _____:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify)	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ✓
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same ✓

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|-------|
| a. Plugging the mine openings | <u>✓</u> | _____ |
| b. Removing the mine waste piles | <u>✓</u> | _____ |
| c. Treating the water to clear the streams | <u>✓</u> | _____ |
| d. Drilling wells to stop or reduce water flows | <u>✓</u> | _____ |
| e. Reseeding after cleanup of waste piles | <u>✓</u> | _____ |
| f. Using the waste piles on roads | <u>✓</u> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes ✓
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name:

Edward Schlosser

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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? _____
- c. A landowner? _____ ✓

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	_____	_____	_____
b. Surface water quality	_____	_____	_____ ✓
c. Subsurface water quality	_____	_____	_____
d. Wildlife numbers	_____	_____	_____
e. Vegetation growth	_____	_____	_____
f. Aesthetics, view	_____	_____	_____
g. Land sinkage	_____	_____	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No _____ ✓

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ ✓ Yes, Partially _____ Don't know _____
 No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No _____ ✓
 Yes _____:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify)	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off ☒
b. Worse off _____
c. About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------------------------------------|-------|
| a. Plugging the mine openings | _____ | _____ |
| b. Removing the mine waste piles | _____ | _____ |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | _____ | _____ |
| f. Using the waste piles on roads | _____ | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes ☒
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

The reason for complaining about the surface water is because of the pollution of the water that runs down this valley. It could possibly be that if it wasn't for the mines there would be any water running year around anyway I don't know

Thank you

Your Name:

Earl D Lee

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1) Are you:

- a. A farmer/rancher?
b. A homeowner?
c. A landowner?

yes
yes

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	<u>none</u>	<u>small</u>	<u> </u>
b. Surface water quality	<u> </u>	<u>small</u>	<u> </u>
c. Subsurface water quality	<u> </u>	<u>small</u>	<u> </u>
d. Wildlife numbers	<u>none</u>	<u> </u>	<u> </u>
e. Vegetation growth	<u> </u>	<u>small</u>	<u> </u>
f. Aesthetics, view	<u> </u>	<u>small</u>	<u> </u>
g. Land sinkage	<u> </u>	<u>small</u>	<u> </u>
h. Other (specify)	<u> </u>	<u> </u>	<u> </u>

3) Is there a mine site on your property? Yes No no

4) Do you own the mineral rights beneath your property?

Yes, 100% Yes, Partially Don't know X
No The owner is

5) Has any of your property been effected by any pollution from abandoned mines?

No no
Yes :

	How Much Area?
a. Air quality	<u> </u>
b. Surface water quality	<u> </u>
c. Subsurface water quality	<u> </u>
d. Wildlife numbers	<u> </u>
e. Vegetation growth	<u> </u>
f. Aesthetics, view	<u> </u>
g. Land sinkage	<u> </u>
h. Other, (Specify)	<u> </u>

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No no
Yes _____:

About How
Many Annual Dollars?

- a. Reduced crop yield _____
b. Reduced livestock yield _____
c. Reduced land value _____
d. Reduced home value _____
e. Personal Health or safety _____
f. Other, (Specify) _____

None

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same same

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- a. Plugging the mine openings
b. Removing the mine waste piles
c. Treating the water to clear the streams
d. Drilling wells to stop or reduce water flows
e. Reseeding after cleanup of waste piles
f. Using the waste piles on roads
g. Other, (Specify) _____

Yes

No

yes
yes

yes
yes

no if mines
are
plugged
will
it affect
subsurface
water

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes yes
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

I think we need
the coal - go after it

Your Name:

THOMAS W RICKARD

Sand Lane

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1) Are you:

- a. A farmer/rancher? _____
b. A homeowner? X _____
c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	<u>None</u>	<u>Small Amount</u>	<u>Significant Amount</u>
a. Air quality	_____	_____	_____
b. Surface water quality	_____	_____	<u>X</u>
c. Subsurface water quality	_____	_____	<u>X</u>
d. Wildlife numbers	_____	_____	<u>X</u>
e. Vegetation growth	_____	_____	<u>X</u>
f. Aesthetics, view	_____	_____	_____
g. Land sinkage	_____	_____	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No X

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know X
No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No _____
Yes _____:

		<u>How Much Area?</u>
a. Air quality	_____	_____
b. Surface water quality	_____	_____
c. Subsurface water quality	_____	_____
d. Wildlife numbers	_____	_____
e. Vegetation growth	<u>X</u>	<u>garden tract</u>
f. Aesthetics, view	_____	_____
g. Land sinkage	_____	_____
h. Other, (Specify)	_____	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No _____
Yes X:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|---------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |
| _____ garden tract | _____ | _____ ? |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off X
b. Worse off _____
c. About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|-------|
| a. Plugging the mine openings | <u>X</u> | _____ |
| b. Removing the mine waste piles | <u>X</u> | _____ |
| c. Treating the water to clear the streams | <u>X</u> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | <u>X</u> | _____ |
| f. Using the waste piles on roads | <u>X</u> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____ ?
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name: George Knulla

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1) Are you:

- a. A farmer/rancher? _____
 b. A homeowner? X
 c. A landowner? X

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	_____	_____	_____
b. Surface water quality	_____	_____	<u>X</u>
c. Subsurface water quality	_____	<u>X</u>	_____
d. Wildlife numbers	_____	<u>X</u>	_____
e. Vegetation growth	_____	<u>X</u>	_____
f. Aesthetics, view	_____	_____	<u>X</u>
g. Land sinkage	_____	<u>X</u>	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No X

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____

No X The owner is Andersson Company

5) Has any of your property been effected by any pollution from abandoned mines?

No X
 Yes _____:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify)	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off X
b. Worse off _____
c. About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|-----------|
| a. Plugging the mine openings | _____ | <u>XX</u> |
| b. Removing the mine waste piles | <u>X</u> | _____ |
| c. Treating the water to clear the streams | <u>X</u> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | <u>X</u> |
| e. Reseeding after cleanup of waste piles | <u>X</u> | _____ |
| f. Using the waste piles on roads | <u>X</u> | _____ |
| g. Other, (Specify) <u>use waste on private roads who wants it done make year round road.</u> | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes
b. No X bad health. but would answer questions lived here all my life born right here. (65 yrs old now)

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

In the Stockett Sand Coulee area we all have either ^{private} ~~private~~ deep wells or either community owned. All deep wells average 200ft depth. If you plug up the openings the water from the mines has to go some place and it will run into our water table and ruin all the water systems out here because well in these towns are all surrounded by old worked out mines full of water. The water runs down Sand Coulee Creek and back to no one.

Your Name: Mike J Kavulla Star Line Sand Coulee MT 59472

P.S. Two ~~people~~ ^{families} out here plug up a mine on their property and lost their water system's the mine water got into their drinking water. (over)

to be... because this would cause hell before you plug up any mines.

Concerning Sand Coulee Creek, Montana Area

Stockert

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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? _____
- c. A landowner? ✓

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	<u>✓</u>	_____	_____
b. Surface water quality	_____	<u>✓</u>	_____
c. Subsurface water quality	<u>✓</u>	_____	_____
d. Wildlife numbers	<u>✓</u>	_____	_____
e. Vegetation growth	_____	<u>✓</u>	_____
f. Aesthetics, view	_____	_____	<u>✓</u>
g. Land sinkage	_____	<u>✓</u>	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know ✓

No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓
Yes _____:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify)	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

a. Better off ☒
b. Worse off _____
c. About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

	Yes	No
a. Plugging the mine openings	<input checked="" type="checkbox"/>	_____
b. Removing the mine waste piles	<input checked="" type="checkbox"/>	_____
c. Treating the water to clear the streams	<input checked="" type="checkbox"/>	_____
d. Drilling wells to stop or reduce water flows	_____	<input checked="" type="checkbox"/>
e. Reseeding after cleanup of waste piles	<input checked="" type="checkbox"/>	_____
f. Using the waste piles on roads	<input checked="" type="checkbox"/>	_____
g. Other, (Specify) _____	_____	_____

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

a. Yes _____
b. No ☒

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name:

Felix Menghini

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1) Are you:

- a. A farmer/rancher? _____
 b. A homeowner? X
 c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	_____	_____	_____
b. Surface water quality	_____	_____	<u> X </u>
c. Subsurface water quality	_____	_____	_____
d. Wildlife numbers	_____	_____	_____
e. Vegetation growth	_____	_____	<u> X </u>
f. Aesthetics, view	_____	_____	_____
g. Land sinkage	_____	_____	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No X

4) Do you own the mineral rights beneath your property?
 Yes, 100% _____ Yes, Partially _____ Don't know X
 No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No X
 Yes _____:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify)	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same X

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|----------|
| a. Plugging the mine openings | _____ | <u>X</u> |
| b. Removing the mine waste piles | <u>X</u> | _____ |
| c. Treating the water to clear the streams | <u>X</u> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | <u>X</u> | _____ |
| f. Using the waste piles on roads | <u>X</u> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes X
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name:

Eric Westlund

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1) Are you:

- a. A farmer/rancher? _____
b. A homeowner? ✓
c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	_____	<u>✓</u>	_____
b. Surface water quality	_____	_____	<u>✓</u>
c. Subsurface water quality	_____	<u>✓</u>	_____
d. Wildlife numbers	<u>✓</u>	_____	_____
e. Vegetation growth	_____	<u>✓</u>	_____
f. Aesthetics, view	_____	_____	<u>✓</u>
g. Land sinkage	<u>✓</u>	_____	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____
No ✓ The owner is Hevego, Real Estate

5) Has any of your property been effected by any pollution from abandoned mines?

No _____
Yes ✓:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	<u>✓</u> * <u>200'</u>
f. Aesthetics, view	<u>✓</u> <u>200'</u>
g. Land sinkage	_____
h. Other, (Specify)	_____

* from railroad bed coming from old coal mine and not the mine itself.

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same X

- 8) If the project and its cost was government sponsored, would you like to see any of the following done? *see #10*

- | | Yes | No |
|---|-------|-------|
| a. Plugging the mine openings | _____ | _____ |
| b. Removing the mine waste piles | _____ | _____ |
| c. Treating the water to clear the streams | _____ | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | _____ | _____ |
| f. Using the waste piles on roads | _____ | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes X
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Any reclamation would be beneficial to our
area however Government spending increases
taxes and we are taxed to the limit now.
Should this be Federally or State funded?
Water flow from the old mines has priority

Your Name:

Carol Erickson Robert Erickson



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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? X
- c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	<u> ✓ </u>	_____	_____
b. Surface water quality	_____	_____	<u> ✓ </u>
c. Subsurface water quality	_____	_____	<u> ✓ </u>
d. Wildlife numbers	_____	<u> ✓ </u>	_____
e. Vegetation growth	_____	_____	<u> ✓ </u>
f. Aesthetics, view	_____	_____	<u> ✓ </u>
g. Land sinkage	_____	<u> ✓ </u>	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property?
 Yes, 100% _____ Yes, Partially _____ Don't know ✓
 No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓
 Yes ✓

		How Much Area?
a. Air quality	_____	_____
b. Surface water quality	_____	_____
c. Subsurface water quality	_____	_____
d. Wildlife numbers	_____	_____
e. Vegetation growth	_____	_____
f. Aesthetics, view	<u> ✓ </u>	_____
g. Land sinkage	_____	_____
h. Other, (Specify)	_____	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒

Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same ☒

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------------------------------------|-------|
| a. Plugging the mine openings | <input checked="" type="checkbox"/> | _____ |
| b. Removing the mine waste piles | <input checked="" type="checkbox"/> | _____ |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | _____ |
| d. Drilling wells to stop or reduce water flows | <input checked="" type="checkbox"/> | _____ |
| e. Reseeding after cleanup of waste piles | <input checked="" type="checkbox"/> | _____ |
| f. Using the waste piles on roads | <input checked="" type="checkbox"/> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes ☒
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name: Robert Mandelville

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1) Are you:

- a. A farmer/rancher? ✓
- b. A homeowner?
- c. A landowner? ✓

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	<u>✓</u>	<u> </u>	<u> </u>
b. Surface water quality	<u> </u>	<u> </u>	<u>✓</u>
c. Subsurface water quality	<u> </u>	<u> </u>	<u>✓</u>
d. Wildlife numbers	<u> </u>	<u> </u>	<u> </u>
e. Vegetation growth	<u> </u>	<u> </u>	<u> </u>
f. Aesthetics, view	<u> </u>	<u> </u>	<u>✓</u>
g. Land sinkage	<u> </u>	<u> </u>	<u> </u>
h. Other (specify)	<u> </u>	<u> </u>	<u> </u>

3) Is there a mine site on your property? Yes No ✓

4) Do you own the mineral rights beneath your property?

Yes, 100% Yes, Partially Don't know

No ✓ The owner is Rae Mayston

5) Has any of your property been effected by any pollution from abandoned mines?

No

Yes ✓:

		How Much Area?
a. Air quality	<u> </u>	<u> </u>
b. Surface water quality	<u>✓</u>	<u> </u>
c. Subsurface water quality	<u>✓</u>	<u> </u>
d. Wildlife numbers	<u> </u>	<u> </u>
e. Vegetation growth	<u> </u>	<u> </u>
f. Aesthetics, view	<u>✓</u>	<u> </u>
g. Land sinkage	<u> </u>	<u> </u>
h. Other, (Specify)	<u> </u>	<u> </u>

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No _____
Yes ✓:

About How _____
Many Annual Dollars?

- a. Reduced crop yield _____
b. Reduced livestock yield ✓ _____
c. Reduced land value ✓ _____
d. Reduced home value _____
e. Personal Health or safety ✓ _____
f. Other, (Specify) _____

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same ✓ _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|----------|
| a. Plugging the mine openings | <u>✓</u> | _____ |
| b. Removing the mine waste piles | <u>✓</u> | _____ |
| c. Treating the water to clear the streams | <u>✓</u> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | <u>X</u> |
| e. Reseeding after cleanup of waste piles | <u>✓</u> | _____ |
| f. Using the waste piles on roads | <u>✓</u> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes ✓
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

The mine openings are dangerous
to children.

Your Name: William R. York

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1) Are you:

- a. A farmer/rancher? X
b. A homeowner? X
c. A landowner? X

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	<u> </u>	<u> </u>	<u> </u>
b. Surface water quality	<u> </u>	<u> </u>	<u>X</u>
c. Subsurface water quality	<u> </u>	<u> </u>	<u>X</u>
d. Wildlife numbers	<u> </u>	<u> </u>	<u>X</u>
e. Vegetation growth	<u> </u>	<u>X</u>	<u> </u>
f. Aesthetics, view	<u> </u>	<u> </u>	<u>X</u>
g. Land sinkage	<u> </u>	<u> </u>	<u>X</u>
h. Other (specify)	<u> </u>	<u> </u>	<u> </u>

3) Is there a mine site on your property? Yes No X

4) Do you own the mineral rights beneath your property?

Yes, 100% Yes, Partially Don't know

No X The owner is Rose Magister

5) Has any of your property been effected by any pollution from abandoned mines?

No

Yes X:

- a. Air quality
b. Surface water quality X
c. Subsurface water quality X
d. Wildlife numbers
e. Vegetation growth
f. Aesthetics, view
g. Land sinkage
h. Other, (Specify)

How Much Area?

1/4 mi stream
in area near stream

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No _____
Yes X :

About How
Many Annual Dollars?

a. Reduced crop yield	_____	_____
b. Reduced livestock yield	<u>X</u>	<u>?</u>
c. Reduced land value	<u>X</u>	<u>?</u>
d. Reduced home value	_____	_____
e. Personal Health or safety	<u>X</u>	_____
f. Other, (Specify)	_____	_____

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

a. Better off _____
b. Worse off _____
c. About the Same X

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

	Yes	No
a. Plugging the mine openings	<u>X</u>	_____
b. Removing the mine waste piles	<u>X</u>	_____
c. Treating the water to clear the streams	<u>X</u>	_____
d. Drilling wells to stop or reduce water flows	_____	<u>X</u>
e. Reseeding after cleanup of waste piles	<u>X</u>	_____
f. Using the waste piles on roads	<u>X</u>	_____
g. Other, (Specify) _____	_____	_____

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

a. Yes X
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

there is a great danger of younger exposing
old mine openings & sink holes

Your Name: _____

Donald A. Junk

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1) Are you:

- a. A farmer/rancher? Yes
 b. A homeowner? Yes
 c. A landowner? Yes

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	_____	_____	<u>X</u>
b. Surface water quality	_____	_____	<u>X</u>
c. Subsurface water quality	_____	_____	<u>X</u>
d. Wildlife numbers	_____	_____	<u>X</u>
e. Vegetation growth	_____	_____	<u>X</u>
f. Aesthetics, view	_____	_____	<u>X</u>
g. Land sinkage	_____	<u>X</u>	_____
h. Other (specify)	_____	_____	_____
<u>Toxic water</u>	_____	_____	<u>X</u>

3) Is there a mine site on your property? Yes _____ No X

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____

No X The owner is neighbor

5) Has any of your property been effected by any pollution from abandoned mines?

No X

Yes _____:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify)	_____
<u>surrounding area</u>	<u>+</u>

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No

Yes X:

- a. Reduced crop yield _____
b. Reduced livestock yield _____
c. Reduced land value _____
d. Reduced home value _____
e. Personal Health or safety _____
f. Other, (Specify) _____

animal health/safety X

About How
Many Annual Dollars?

veterinary
ills - polluted 300
water ingestion

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same X

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|-------|
| a. Plugging the mine openings | <u>X</u> | _____ |
| b. Removing the mine waste piles | <u>X</u> | _____ |
| c. Treating the water to clear the streams | <u>X</u> | _____ |
| d. Drilling wells to stop or reduce water flows | <u>X</u> | _____ |
| e. Reseeding after cleanup of waste piles | <u>X</u> | _____ |
| f. Using the waste piles on roads | <u>X</u> | _____ |
| g. Other, (Specify) <u>treat toxic water</u> | <u>X</u> | _____ |
| (most important) | | |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes X
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

The mines in question have been abandoned
for some time now since the last coal boom.
It would be very important to get the in-
put of everybody involved before reclaiming
these abandoned coal mines and resulting pollution.
Garbage dump is also polluting water

Your Name: Garold Schwartzenberger

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1) Are you:

- a. A farmer/rancher? _____
 b. A homeowner? ✓
 c. A landowner? ✓

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	<u>✓</u>	_____	_____
b. Surface water quality	_____	_____	<u>✓</u>
c. Subsurface water quality	_____	<u>✓</u>	_____
d. Wildlife numbers	<u>✓</u>	_____	_____
e. Vegetation growth	<u>✓</u>	_____	_____
f. Aesthetics, view	<u>✓</u>	_____	_____
g. Land sinkage	<u>✓</u>	_____	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____
 No ✓ The owner is ?

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓
 Yes _____:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify)	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒

Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same ☒

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------------------------------------|-------------------------------------|
| a. Plugging the mine openings | _____ | <input checked="" type="checkbox"/> |
| b. Removing the mine waste piles | _____ | _____ |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | _____ | _____ |
| f. Using the waste piles on roads | _____ | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

In this area a mine opening or 2 were closed and the water finds another route and has or may ruin water wells

Your Name: M. J. Luoma Jr.

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1) Are you:

- a. A farmer/rancher? X
 b. A homeowner? _____
 c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	<u>X</u>	_____	_____
b. Surface water quality	_____	<u>X</u>	_____
c. Subsurface water quality	<u>X</u>	_____	_____
d. Wildlife numbers	_____	<u>X</u>	_____
e. Vegetation growth	_____	<u>X</u>	_____
f. Aesthetics, view	_____	<u>X</u>	_____
g. Land sinkage	<u>X</u>	_____	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes X No _____

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially X Don't know _____
 No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No X
 Yes _____:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify)	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

a. Better off _____
b. Worse off _____
c. About the Same X

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

	Yes	No
a. Plugging the mine openings	<u>X</u>	_____
b. Removing the mine waste piles	_____	<u>X</u>
c. Treating the water to clear the streams	_____	<u>X</u>
d. Drilling wells to stop or reduce water flows	_____	<u>X</u>
e. Reseeding after cleanup of waste piles	<u>X</u>	_____
f. Using the waste piles on roads	<u>X</u>	_____
g. Other, (Specify) _____	_____	_____

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

a. Yes X
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name: Bernice D. Deal 404-254-0017
Great Falls, MT 59404

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1) Are you:

- a. A farmer/rancher? _____
 b. A homeowner? _____
 c. A landowner? ✓

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	_____	_____	_____
b. Surface water quality	_____	_____	<u>✓</u>
c. Subsurface water quality	_____	_____	<u>✓</u>
d. Wildlife numbers	_____	_____	_____
e. Vegetation growth	_____	_____	_____
f. Aesthetics, view	_____	_____	_____
g. Land sinkage	_____	_____	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____
 No ✓ The owner is _____ ? _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓
 Yes _____:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify)	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒

Yes _____:

About How
Many Annual Dollars?

- a. Reduced crop yield _____
- b. Reduced livestock yield _____
- c. Reduced land value _____
- d. Reduced home value _____
- e. Personal Health or safety _____
- f. Other, (Specify) _____

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
- b. Worse off _____
- c. About the Same ☒

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------------------------------------|-------|
| a. Plugging the mine openings | <input checked="" type="checkbox"/> | _____ |
| b. Removing the mine waste piles | <input checked="" type="checkbox"/> | _____ |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | <input checked="" type="checkbox"/> | _____ |
| f. Using the waste piles on roads | _____ | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes ☒
- b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name:

E. M. Joefler

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1) Are you:

- a. A farmer/rancher? ☒
 b. A homeowner?
 c. A landowner?

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	<input checked="" type="checkbox"/>	<u> </u>	<u> </u>
b. Surface water quality	<u> </u>	<input checked="" type="checkbox"/>	<u> </u>
c. Subsurface water quality	<u> </u>	<input checked="" type="checkbox"/>	<u> </u>
d. Wildlife numbers	<input checked="" type="checkbox"/>	<u> </u>	<u> </u>
e. Vegetation growth	<u> </u>	<input checked="" type="checkbox"/>	<u> </u>
f. Aesthetics, view	<u> </u>	<u> </u>	<input checked="" type="checkbox"/>
g. Land sinkage	<u> </u>	<input checked="" type="checkbox"/>	<u> </u>
h. Other (specify)	<u> </u>	<u> </u>	<u> </u>

3) Is there a mine site on your property? Yes No ☒

4) Do you own the mineral rights beneath your property?

Yes, 100% Yes, Partially Don't know
 No ☒ The owner is U.S. Government

5) Has any of your property been effected by any pollution from abandoned mines?

No ☒
 Yes :

	How Much Area?
a. Air quality	<u> </u>
b. Surface water quality	<u> </u>
c. Subsurface water quality	<u> </u>
d. Wildlife numbers	<u> </u>
e. Vegetation growth	<u> </u>
f. Aesthetics, view	<u> </u>
g. Land sinkage	<u> </u>
h. Other, (Specify)	<u> </u>

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off ☒
b. Worse off _____
c. About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------------------------------------|-------------------------------------|
| a. Plugging the mine openings | <input checked="" type="checkbox"/> | _____ |
| b. Removing the mine waste piles | <input checked="" type="checkbox"/> | _____ |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | <input checked="" type="checkbox"/> |
| e. Reseeding after cleanup of waste piles | <input checked="" type="checkbox"/> | _____ |
| f. Using the waste piles on roads | _____ | <input checked="" type="checkbox"/> |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes ☒
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name:

Anna Leah Dolera

T.A.P. Inc., a Bozeman based research firm, is assisting the Montana Department of State Lands in examining impacts and possible reclamation of abandoned coal mines in your locality. Your cooperation and input by answering this short survey will help us learn how local property owners feel about these mines.

The survey can be completed by just check marking the appropriate space. Use the pre-addressed, no stamp required envelope to return the survey to us. Your answers will be combined with those of your neighbors and the results will be available to you and to the Department of State Lands. Thank you for your help.

1) Are you:

- a. A farmer/rancher? _____
 b. A homeowner? X
 c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	<u> X </u>	_____	<u> X </u>
b. Surface water quality	_____	_____	<u> X </u>
c. Subsurface water quality	<u> X </u>	_____	_____
d. Wildlife numbers	<u> X </u>	_____	_____
e. Vegetation growth	<u> X </u>	_____	_____
f. Aesthetics, view	<u> X </u>	_____	_____
g. Land sinkage	<u> X </u>	_____	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No X

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____
 No X The owner is Robert Cassner

5) Has any of your property been effected by any pollution from abandoned mines?

No X
 Yes _____:

	None	How Much Area?
a. Air quality	<u> None </u>	_____
b. Surface water quality	<u> " </u>	_____
c. Subsurface water quality	<u> " </u>	_____
d. Wildlife numbers	<u> " </u>	_____
e. Vegetation growth	<u> " </u>	_____
f. Aesthetics, view	<u> " </u>	_____
g. Land sinkage	<u> " </u>	_____
h. Other, (Specify)	_____	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same X

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------|----------|
| a. Plugging the mine openings | _____ | <u>X</u> |
| b. Removing the mine waste piles | _____ | <u>X</u> |
| c. Treating the water to clear the streams | _____ | <u>X</u> |
| d. Drilling wells to stop or reduce water flows | _____ | <u>X</u> |
| e. Reseeding after cleanup of waste piles | _____ | <u>X</u> |
| f. Using the waste piles on roads | _____ | <u>X</u> |
| g. Other, (Specify) | _____ | <u>X</u> |

Govt-sponsored anything means Higher Taxes & anticipated controls.

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
b. No X

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

The coal from this area is probably the
lowest grade lignite on this earth. I am
for a free Enterprise system 100% BUT Govt
Funding projects with Tax Dollars create further
burdens on the taxpayers & or borrowers

Your Name: X Ruby Parenteau

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The survey can be completed by just check marking the appropriate space. Use the pre-addressed, no stamp required envelope to return the survey to us. Your answers will be combined with those of your neighbors and the results will be available to you and to the Department of State Lands. Thank you for your help.

1) Are you:

- a. A farmer/rancher? _____
 b. A homeowner? yes
 c. A landowner? yes

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	<u>X</u>	_____	_____
b. Surface water quality	_____	_____	<u>X</u>
c. Subsurface water quality	_____	<u>P</u>	_____
d. Wildlife numbers	<u>X</u>	_____	_____
e. Vegetation growth	_____	_____	<u>X</u>
f. Aesthetics, view	_____	_____	<u>X</u>
g. Land sinkage	_____	<u>P</u>	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No X

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know X
 No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No X

Yes _____:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify)	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes _____:

- a. Reduced crop yield _____
b. Reduced livestock yield _____
c. Reduced land value _____
d. Reduced home value _____
e. Personal Health or safety _____
f. Other, (Specify) _____

About How
Many Annual Dollars?

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same X

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|-------|
| a. Plugging the mine openings | _____ | _____ |
| b. Removing the mine waste piles | _____ | _____ |
| c. Treating the water to clear the streams | _____ | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | <u>X</u> | _____ |
| f. Using the waste piles on roads | <u>X</u> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
b. No X

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

I think it would be nice to clean up around the old
mines + seal them so the dust wouldn't blow. I think
using the waste piles for roads is good idea, and I think
it would be a waste of money to try plugging the mine
openings to keep the mine water from seeping out.

Your Name: Pearl M. Cantrell

I. BELT AREA

SOCIOECONOMICS RELATIVE TO ABANDONED MINES

A. Study

1. Literature Search

a. Document Review

Early in the project and during the course of work numerous literature sources were obtained and reviewed. There does not exist a great amount of information pertaining to the socioeconomic conditions of the Belt area. Sources of most help were generally those that dealt with Cascade County in general, focusing within those documents occasionally on the smaller communities such as Belt. One such source that contained helpful information was the "Cascade County Development Plan" which was developed in 1979 by the Cascade County Planning staff. A copy of this document is available at the Great Falls City Library and at the offices of the Cascade County Planning Board. Another very good publication outlining the history of Belt is a locally produced book, "The Belt History Book" which is available at area libraries.

Other information that was reviewed and was helpful in the socioeconomic analysis of the Belt area included information from the U.S. Census Bureau relative to population, employment and income and other miscellaneous papers and communications and interviews with local officials and state and federal offices and agencies. Inter-

views were held with residents of the area, both homeowners and landowners, farmers and ranchers. Interviews were also conducted with officials of Cascade County's Extension Office, the local Soil Conservation Office, the Cascade County Treasurer's office, the Assessors office, and Classification and Appraisal offices. In addition, information was obtained from knowledgeable area appraisers, realtors and land surveyors.

b. A Brief Historical Perspective of the Economy of the Area

The incorporated community of Belt is located twenty miles southeast of Great Falls just north of U.S. Highway 87. Belt is one of a number of outlying communities near to Great Falls which is influenced to a large extent by socioeconomic trends in Great Falls.

Mining and agriculture have been the dominant forces in the development of the economy of the Belt region. Major coal mining operations took place in this part of Cascade County early in its history. The town was incorporated in 1907 and was originally a mining town. Early on in the history of this part of Montana, Belt had a larger concentration of population than did Great Falls.

After the mining played out, cattle and livestock and crop production became the primary economic base for the Belt area. In the late 1880's railroad service first connected the Great Falls area to other parts of the United States. At this time the Great Northern Railroad was in the planning stages and when it was subsequently

built, Belt was located on the main line. This trackage is now the property of Burlington Northern Railroad.

In the late 1880's and early 1900's coal mining was the dominant social and economic force that exerted itself in this area. The primary use of the coal produced from this region was as fuel for railroad locomotives. The production life of most of these mines ended in the mid-1940's as the general United States economy was shifting from energy supplied by coal to energy supplied by liquid petroleum products.

As mentioned earlier, the population of this area was at its peak in the coal mining days in the early 1900's. At the close of most of the coal mining operations, the population of the area dropped substantially and only in recent years has been relatively steady. In the 1960 census of 20 years ago the area had a recorded population of 1,500 in the entire Belt division, 757 inside the city limits of Belt. In 1970 the Belt division had 1,406 residents and 656 inside the city. The 1980 census counts indicates some growth in both the city of Belt and in its census division. A total of 1,626 persons now reside in the Belt division and 825 inside the city. This slight growth in the last ten years is attributed to migration out of the Great Falls area to the outlying and more suburban communities.

A substantial portion of the current Belt population are retired residents. The majority of the remaining population are families who

reside in the Belt area but commute to work in Great Falls or nearby localities. Some population projections have been made of the area and these indicate a growth trend in the 1980's. It is unlikely that any growth trend would be substantial for Belt unless there is a resurgence in the mining of coal in the area. There is at least a possibility of this being the case since recently Montana Power Company has announced the future construction of a coal-fired power plant northeast of Great Falls which could utilize coal from the Belt area. Without any new coal mining activity in the region, however, the Belt area population would likely only grow slightly in the near future.

2. Socioeconomic Analysis

a. Historic Land Use Patterns

Considering an area approximately three miles by eight miles encompassing the community of Belt and the additional small community of Armington, the early land use prior to coal mining activity was agricultural rangeland. Since the early 1900's, an increase in farming has changed the landscape to considerable cropped areas supplanting that which previously was in open range. The terrain in this general vicinity is characterized by flatlands to rolling hills, broken frequently by coulees and ravines slicing down to the creek bottom. The community of Belt is situated on Belt Creek which flows from the Little Belt Mountains to the Missouri River just north of the community. The ravines and rough breaks are more prevalent in the vicinity of Belt than good flat farmable cropland.

b. Acreage and Locations of Mining and Land Use

In the area under study in this project beginning about two miles north of Belt and extending to Belt and then south two additional miles, several abandoned mine sites have been identified. To identify the area and specifically pinpoint these mine sites, aerial photography completed in 1977 was obtained from the U.S. Agricultural Stabilization and Conservation Service. A collage of the photographs was prepared so that the entire area could be viewed in one picture. This photo is an appendix to the report. The approximate scale of the photography is eight inches to the mile. This particular photograph is referenced frequently throughout the report and is considered an integral part of the understanding of the analysis.

In this general area a total of three abandoned mine sites were identified which consistently discharge acid mine water into Belt Creek. On the aerial photograph an additional five abandoned mine sites are identified. These adit locations and their identification are based on work done by Hydrometrics Inc. and others who have documented abandoned mine sites in the region.

On the aerial photography the non-discharging mine sites are identified with a yellow dot, while the mine sites discharging acid water are identified with a red dot. The City of Belt and the community of Armington are also identified. Mine site numbers corresponding to numbers assigned by Hydrometrics in their evaluation of mine water wastes are assigned to each of the three mines presently

discharging waste water. Two large waste dumps for mine tailings are immediately to the south of the community of Belt, these are identified with yellow dots as well on this aerial photograph. The abandoned mine sites in the Belt area are visible from the community of Belt looking to the east and to the west. These mine adits are located where coal bearing formations outcrop at points where the terrain drops steeply from the flatlands down into the coulees and ravines leading down to the valley floor.

An approximation was made utilizing the aerial photography to arrive at the total number of acres that have been committed to mining land use in this Belt area. The results of this measurement were that approximately 40 acres in this vicinity are directly impacted by residual mining land uses.

c. Present Land Use In the Study Area

There are three general types of land use in the area under evaluation around Belt. First of all there are the concentrations of population in the communities of Belt and Armington. Second, there is the agricultural land use of cropland, mostly dryland farmed, and thirdly, there is the agricultural land use of open grazing and woodland, the woodlands being located generally in the breaks. The one other significant use of land in this area would be that of roads, highways, and railroads. U.S. Highway 87 and U.S. Highway 89 are significant land users in this region of Cascade County.

Considering the region to be three miles in an east/west direction by eight miles in a north/south direction with the community of Belt in the more northerly portion of that land area, that would equate to about 15,000 acres. Of this amount of acreage, approximately 240 acres are consumed by the concentrations of population and housing. These areas are termed built-up areas. In this locality of 15,000 acres approximately 2,600 acres are in cropland with the remaining 12,000 acres in rangeland or open country including that of the breaks. The cropland equates to 17% of the total in this selected area with open rangeland or grazing land consuming 80% and the communities consuming 3% of the area.

d. The Relationship of Populated Areas to Abandoned Mine Sites

After examining the aerial photography and the dot pattern of identified mine locations, it becomes clear that the significant abandoned mine sites and related mining land uses are concentrated immediately to the south of the community of Belt. Since the community had its beginnings as a mining town, its only natural that it's located immediately adjacent to residual mine land uses.

Each day most of the population of the communities of Belt and the much smaller community of Armington pass by or live right along side the effects of abandoned coal mine activity. Virtually all of the people residing at Belt are affected by abandoned coal mine sites or the residual land uses resulting from coal mining activity.

e. Likely Land Use If Mine Pollution Had Not Occurred

To assume that no mine pollution occurred is to assume that there were no coal mines developed in the area. Under this set of circumstances of no coal mine development in this area, it is likely that the community of Belt would at least be very much smaller than it is today or perhaps might never have been a community at all. Had that been the case, of course there would be little or no land devoted to present uses. Fewer roads, less land in housing and community built-up areas, and no land devoted to mining uses. Had the coal in the area not been mined, there would have still been the natural outcroppings of coal throughout the area. However, in this case, acid mine drainage pollution of the area creeks and streams and the degradation of hillsides and the visual pollution associated with waste dumps would not have been a problem any one would have to deal with.

If mining practices in the early days of that industry could have eliminated the stream and ground pollutions then certainly the community would be there as it is today and perhaps people would reside there in greater numbers simply because the area would be more aesthetically pleasing and would offer a more attractive setting for persons wanting to live outside of the urban area of Great Falls. The number of acres in the Belt vicinity that are now damaged by mine pollution would be in a natural state with grazing land on the hillsides and no stream degradation as Belt Creek winds its way through the community.

f. Cumulative Economic Return

In deriving a cumulative economic return foregone in this Belt region due to past mining activities that took agricultural and other lands out of production, the base of 40 acres of impacted land previously identified was used. This 40 acres is the acreage measured from the aerial photography in the 24-square-mile area previously identified. There may be additional damage related to mine activity in the area that is outside of the land scope considered in this analysis. Of the 40 acres, 70% is situated such that it would be termed grazing or open land, and 30% of the 40 acres could be considered adjacent to the community of Belt and thus open and available for expansion as a part of the town for built-up area.

The derivation of the value foregone and rangeland was based upon a timeframe of 40 years (1940-1980) of production. The productivity per acre of rangeland was determined based upon an historic analysis of rangeland prices and lease rates. With 28 acres of additional hillside grazing accumulated over the past 40 years this would amount to a total return to the land holder of \$20,549 of direct cumulative impact.

The accumulated economic return related to the foregone sales of land for urban purposes is also based on a 40 year timeframe. Using a total of 12 acres immediately adjacent to the community of Belt and assuming an average land price of \$1,000 an acre, a return rate of 10% to the seller and an interest rate of 5% on the net proceeds, cumulative return not realized would amount to \$15,184.

Thus, the overall net return not realized in this small land area adjacent to Belt due to abandoned mine sites then totals \$35,733.

g. Property Values

In an effort to arrive at a reasonable determination of property values in this Belt area coal mining effected region and other portions of Cascade County, two approaches were used. The first approach was to consider the comments and results of the survey taken of Belt area residents and second was to consider interviews with real estate personnel and appraisal personnel familiar with the Cascade County localities.

It was determined through interviews with realtors and real estate appraisers with experience with both residential and farmland appraising in and around the Great Falls area that generally there is no appreciable difference in value of either residential properties or farm properties resulting directly from pollution or perceived pollution from the abandoned coal mine sites. In the course of our conversations with these knowledgeable people, most acknowledged that it would be logical to assume some valuation difference with the values expected to be lower in the Belt area due to presence of the abandoned mine sites. However, recent land sales and past experience did not indicate that there was any significant valuation difference. There were comments that land sales in that area had slowed considerably recently. However, this is primarily attributable to the general slowing in interest in outlying areas simply because of the expense of

energy and the cost associated with getting to and from work and homes in outlying areas.

The principal source of information for land values was the comments and indications of residents of the Belt area itself. This source of information is likely a bit more valuable in assessing economic impacts related to property values because it is the property owners themselves who will largely determine sales prices of any property on the market. In the Belt area 24% of the respondents to the survey questionnaire indicated that their property had been effected in some way by pollution from the abandoned mines. However, only 10% responding indicated that there was any direct economic loss that they had incurred from the abandoned mine locations in the area.

An additional survey question that bears directly on the assessment of valuation change in this area on property deals with whether or not the people think they are either better off, worse off, or about the same relative to living conditions when compared to others in rural Cascade County. Significant in the Belt area is the fact that only 3% of the respondents indicated they thought they were worse off. The remaining 97% thought they were either better off or about the same as others throughout the county. It's clear that the residents of this coal mining impacted area as represented by those responding to the survey, are and have experienced some degree of valuation loss as a result of the mines. However, outside evidence as

well as the opinions of the residents who are in Belt, indicated it to be a small problem regardless of the difference.

To arrive at the calculation of the property value difference regarding farmland in the area we go back to our area of 24-square-miles where 2,600 acres are in cropland and 12,000 acres are in open range or grazing land. Our assessment using land prices of 1980 is that cropland in Cascade County sells for about \$614 an acre while grazing land sells for an average of \$292 an acre. Based upon our conversations and interviews with appraisers we determined that cropland in the area of coal mine activity would likely suffer a 5% value penalty while grazing lands would suffer a slightly lesser penalty in property devaluation of 2%. Further assuming as the survey results indicated that 24% of the lands in this area were affected in some way by coal mining pollution, the resulting calculation indicates that currently agricultural land in this selected area would be valued \$36,624 less than a comparable land area situated elsewhere in Cascade County that had no coal mine pollution impact.

In determining the residential property value of impacts, we begin with the fact that in 1980 there are 620 housing units in the general vicinity of Belt or the Belt valley. Again using the survey results that 24% of these properties are in some way effected by mine pollution we have an effected housing total of 151 units. Several respondents to the survey indicated substantial reduction in home value resulting from the nearby mines and their associated pollution.

It was our assessment based upon interviews with area homeowners that we could assign an average \$4,000 per residential property of reduced valuation. Assuming then that this \$4,000 of reduced property value would be characteristic throughout the area this would equate to a 1980 valuation suppression in this Belt area of \$604,000.

h. Inhabitant Assessment of Social Well-Being

One of the first steps in the study effort was to identify the property owners of land in the Belt region. Once we accomplished this we had a base name and address list which we could use to send out surveys of area residents. This was done for the community of Belt and Belt valley landowners. The overall rate of return or response rate to this residential survey was 37% which is considered relatively high for a survey of this nature. A copy of that two page survey is included here with the final determination by percentages of responses received.

BELT-FINAL RESULTS

T.A.P. Inc., a Bozeman based research firm, is assisting the Montana Department of State Lands in examining impacts and possible reclamation of abandoned coal mines in your locality. Your cooperation and input by answering this short survey will help us learn how local property owners feel about these mines.

The survey can be completed by just check marking the appropriate space. Use the pre-addressed, no stamp required envelope to return the survey to us. Your answers will be combined with those of your neighbors and the results will be available to you and to the Department of State Lands. Thank you for your help.

1) Are you:

a.	A farmer/rancher?	9%
b.	A homeowner?	63%
c.	A landowner?	28%

- 2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	<u>70%</u>	<u>23%</u>	<u>7%</u>
b. Surface water quality	<u>6%</u>	<u>42%</u>	<u>52%</u>
c. Subsurface water quality	<u>25%</u>	<u>34%</u>	<u>41%</u>
d. Wildlife numbers	<u>57%</u>	<u>37%</u>	<u>6%</u>
e. Vegetation growth	<u>32%</u>	<u>47%</u>	<u>21%</u>
f. Aesthetics, view	<u>18%</u>	<u>35%</u>	<u>47%</u>
g. Land sinkage	<u>52%</u>	<u>40%</u>	<u>8%</u>
h. Other (specify)			

- 3) Is there a mine site on your property? Yes 9% No 91%

- 4) Do you own the mineral rights beneath your property?
 Yes, 100% 13% Yes, Partially 6% Don't know 46%
 No 35% The owner is _____

- 5) Has any of your property been effected by any pollution from abandoned mines?

No 76%
 Yes 24% :

		How Much Area?
a. Air quality	<u>5%</u>	<u>--</u>
b. Surface water quality	<u>25%</u>	<u>43.5 ac.</u>
c. Subsurface water quality	<u>23%</u>	<u>--</u>
d. Wildlife numbers	<u>3%</u>	<u>--</u>
e. Vegetation growth	<u>10%</u>	<u>40 ac.</u>
f. Aesthetics, view	<u>20%</u>	<u>45 ac.</u>
g. Land sinkage	<u>10%</u>	<u>5 ac.</u>
h. Other, (Specify)		
Safety	<u>4%</u>	<u>--</u>

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No 90%
 Yes 10% :

		About How Many Annual Dollars?
a. Reduced crop yield	<u>0</u>	<u>0</u>
b. Reduced livestock yield	<u>0</u>	<u>0</u>
c. Reduced land value	<u>17%</u>	<u>?</u>
d. Reduced home value	<u>33%</u>	<u>?</u>
e. Personal Health or safety	<u>17%</u>	<u>?</u>
f. Other, (Specify)		
Loss of well	<u>33%</u>	<u>\$2,000</u>

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?
- | | |
|-------------------|------------|
| a. Better off | <u>33%</u> |
| b. Worse off | <u>3%</u> |
| c. About the Same | <u>64%</u> |

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

	Yes	No
a. Plugging the mine openings	<u>81%</u>	<u>19%</u>
b. Removing the mine waste piles	<u>75%</u>	<u>25%</u>
c. Treating the water to clear the streams	<u>86%</u>	<u>14%</u>
d. Drilling wells to stop or reduce water flows	<u>56%</u>	<u>44%</u>
e. Reseeding after cleanup of waste piles	<u>85%</u>	<u>15%</u>
f. Using the waste piles on roads	<u>87%</u>	<u>13%</u>
g. Other, (Specify) _____	_____	_____

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?
- a. Yes 65% b. No 35%

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name: _____

Specific mention will be made of the highlights of the tabulated survey questionnaires. In response to question No. 1 only 9% were farmer/ranchers, most of the persons responding were homeowners.

In question No. 2, 70% answered that air quality was not a pollution problem resulting from any of the abandoned mine sites and conversely the highest number of responses as to what was the most significant type of pollution was surface water quality at 52%. The least significant issues in addition to air quality were wildlife numbers and land subsidence or sinkage. The most significant general pollution problems in addition to that of surface water quality were aesthetics or view and subsurface water quality.

Question No. 3 found that only 9% of those responding had a mine site on their property and question No. 4 found that 35% of the people surveyed did not own the mineral rights beneath their property and another 46% did not know who owned the mineral rights.

In question No.5, 76% of the respondents indicated that none of their property had been effected by any pollution from abandoned coal mines. Of the remainder who did indicate that they experienced some pollution the types of pollution most frequently mentioned were surface water quality, subsurface water quality, and aesthetics or view. The total land area mentioned by these people who had experienced pollution damage was small, the largest land area affected being that of surface water quality at an estimated 43½ acres.

Question No. 6 asked specifically whether or not they had any economic loss from any type of pollution relative to the abandoned mines. A very high 90% indicated that they had no economic loss.

For the other 10% indicating some economic damage, reduced home value and damage to wells were the most frequently mentioned type of pollution loss. Reduced land values and personal health or safety was mentioned by a substantial number of those experiencing economic loss.

In question No. 7 people had the opportunity to indicate whether or not they thought they were better off, worse off, or about the same when compared to others who lived in rural Cascade County. 33% felt they were better off, only 3% felt they were worse off, and 64% said they were about the same.

Question No. 8 attempted to determine the thoughts of the residents on what they would like to see done regarding mitigating measures relative to mine pollution. All of the suggested mitigating measures received a relatively high percentage of "yes" answers. The highest was using the waste piles on roads. This was marked high because currently the Belt area does use cinders from the waste piles to spread on slick roads in bad weather driving conditions. Most frequently mentioned by the survey respondents as something they would not like to see done was the drilling of wells to stop or reduce water flows. 44% of the people responding indicated that they would be against that type of action. 25% said they would not want to see the removing the mine waste piles.

In question No. 9 we found that 65% of the respondents would be willing to participate in mine site reclamation projects if they had some input regarding the project.

Question No. 10 asks for comments or general observations about the issues of reclaiming local abandoned mine sites. An example of the significant comments are as follows:

1. I think the old mines would make perfect bomb shelters and Great Falls officials ought to use them in that manner.
2. Mine water has Belt Creek red and yellow in places. In some areas reclamation would be a waste of money, in others a necessity.
3. The mine water flowing onto my property is so bad a science class from Great Falls uses it for testing.
4. I would like to see any work started and finished without a lot of unnecessary fooling around and money spending.
5. Helena Air and Water Quality Bureau never answers my inquiries. If it wasn't for the spring runoff, Belt Creek below the town would be one of the worst polluted streams in Montana.
6. Mitigating measures should be the responsibility of a private contractor, not the government.
7. My major concern is the safety of children playing in the area of abandoned mines.
8. Belt Creek as it runs through town is an eye sore.

9. I believe there is much talk about this pollution but very little understanding. Surface water quality appeared worse years ago than at the present.
10. It would certainly be an improvement to have such sites cleaned up, however, it shouldn't be done with borrowed tax funds.
11. I feel that a project to try and clean up the water would make a great improvement, especially for wildlife and fish and also relieve home repairs on water lines, heaters, etc.
12. The mines in this area don't seem to be too much of a problem except for water flowing from them. I'd hate to see them plugged and have never heard of anyone being injured from them.
13. I'm not as concerned about the old mines as about new mines. The streams are cleaner now and vegetation has regrown since the last mining was done in the area.
14. We have one mine in particular which discharges water into Belt Creek which infiltrates into our local water well.
15. Drilling wells to reduce water flows would probably damage subsurface water quality.
16. Use of the waste piles on roads would be a great idea but further costs would be of no value just for the sake of enhancing the beauty of the landscape.

The questionnaires are an appendix to this report and are available for further examination and analyzation.

i. Business Dollar Impact to Area Communities In Great Falls

The impact on business receipts to Belt and to the nearby regional business center in Great Falls is directly proportional to the loss of revenues that can be attributed to the mine pollutions. In this instance as previously described, these cumulative losses are all agricultural related and were previously calculated at \$35,733. For this area that is very small economic loss over the time span we are considering. Using 1975 statistics on the income generation of basic and non-basic industries in Cascade County an income multiplier was developed. The results of that derivation indicated a 2.89 multiplier. In other words for every dollar of basic income earned, secondary businesses could expect to see it turned an additional 2.89 times in Cascade County. Applying this income multiplier to the cumulative agricultural productivity lost would amount to \$103,268. This amount of business income loss would be spread across the many businesses in Great Falls and in Belt. It is a relatively minor adverse impact which results from area coal mine residual pollution.

B. MASTER PLAN

1. Effects on Local Population

a. The Perception of Social and Quality of Life Issues That Could Change With Mine Reclamation Efforts

Once again using the results of the personal survey to identify the perception of local residents and how their quality of life might change with reclamation efforts, we find a surprising large number of residents basically satisfied with the current situation. It's true

that 24% of the respondents in the survey in Belt indicated they had suffered pollution to their property from abandoned mine sites and 10% indicated that they had definitely experienced some economic loss. From a quality of life point of view, only 3% of the residents responding to the survey indicated they felt they were worse off being in Belt or in the Belt area than other residents of rural Cascade County. Therefore, the conclusion we must draw is that while many of the people in the area believe that certain reclamation efforts would enhance their local quality of life, it certainly can't be described as a paramount social issue. In fact, it can be best described as a minor problem.

Based on contacts in the area and the surveys that were returned reclamation efforts should be directed at improving the surface water quality, most particularly Belt Creek, as it winds through the community. The residents appear to want to continue to use the waste piles on roads as necessary and they would like to see plugging of the mine openings and reseeding after clean-up.

Changes to the local landscape as a result of reclamation efforts would serve to improve real estate values in Belt and over an extended period of time would increase the revenues from agricultural lands. Likely an important benefit as any, is the reduction of the risk of personal health or safety.

b. The Estimate of Economic Effects of Reclamation

Immediate economic impacts to the Belt area resulting from a broad reclamation effort of the polluted areas would be seen in three separate categories. First, agricultural income improvements; secondly, business improvements in Belt and Great Falls; and thirdly, from residential property value appreciation.

Based on our previous assessments on the number of acres that are being devalued in one degree or another because of mine pollution we arrive at the following figures. Annual farm and ranch income in this area would increase by approximately \$812 a year, all from grazing fees. No cropland was considered damaged from mine pollution so considering just this rangeland income and a 20 year timeframe the present value of that income would be \$7,972. That present value is calculated for the term of 20 years and at a discount rate of 8%.

Using that present value of agricultural income and the 2.89 multiplier, the present value of business income over the 20 year timeframe due to reclamation improvements in this area could amount to \$23,039, a relatively small sum. And lastly the appreciation in homeowner property values as a result of reclamation efforts could be as high as \$604,000. This figure is the result of assuming an appreciation in property values of \$4,000 for 151 homeowners.

The total then in terms of present value for reclamation efforts in the Belt area is \$635,011. This calculation of the economic impact

and present dollar terms of an improvement for twenty years is a generalized view of positive financial benefits that could accrue to the region with a broad reclamation improvement plan. The value of specific improvements to single homeowner or landowners circumstance can be much more accurately calculated prior to proposing reclamation improvements. Such improvements are underway in several locations in the Belt area.

Soil Conservation Service has the Rural Abandoned Mine Program which addresses point specific pollution and its mitigation or reclamation. They have a project underway currently in the Belt area on the James Milos ranch. A development of cost-benefit analysis for a point specific project is recommended and is in most cases required before reclamation funds can be obligated.

2. Ownership Inventory

a. Ownership Descriptions

A land ownership identification coverage in the Belt area of Cascade County was performed. The area includes the following sections. In Township 19 North, Range 6 East, Sections 23, 25, 26, and 36. Research was conducted in the Cascade County Courthouse in the office of the Assessor, the Treasurer, and the Clerk and Recorder to determine the owners name, address and the legal description of the property involved. This information is a part of the appendix to this report and is available for further use by interested parties. Specific detailed maps of the property locations were not

reproduced as they are updated continuously and are readily available in the office of the Assessor in the Cascade County Courthouse.

b. Property Owners That Would Be Willing To Participate In
Future Reclamation Projects

The residential survey of landowner in the Belt area indicated that 65% of the property owners would be willing to participate in mine sight reclamation projects if they had an input regarding the project. In some cases the property owner did not indicate on the survey form his name and address and therefore where some property owners suggested that they would be willing to participate, their names are unavailable.

From the survey questionnaires those who identified themselves as being willing to participate in reclamation projects are here listed alphabetically:

June Berg
Edith M. Blain
John P. Brutosky
Kenneth Burley
Karol Carlson
John C. Castner
Gary and Judy Crowder
Edward J. Elam, Sr.
Michael Gamble
Roy E. Goodman
Gary E. Gray
Bill Hendrickson

Leo M. Hertz
D. Higen
Dan Hubley
Phillip Kleffner
Russell Leland
Kenneth Maki
James Milos
W. L. Murphy
William Neill
Danell O'Connell
Dennis J. O'Leary
Patrick E. Pierson
Charles F. Remington
Mel W. Rennick
James C. Rubino
Mac L. Savage
Michael Sechena
W. C. Sederholm
Edward Spragg
June Stewart
Lenore Stokes
Maxine Tender
Thomas A. Thompson
Leroy Thayer
Edna Urich
Russel and Joanne Voytoski
James Warehime
June D. Werner
Martin E. Werner
Jim Whitaker
Burt Williamson
P. M. Wraught
Russell E. Zanto
Michael R. Zuhoski

There definitely are other property owners in the Belt area who would be interested in participating in the mine site reclamation. In many comments on the surveys and in conversations with the people in the area, they would like public meetings and public education of plans and possibilities towards reclamation efforts. At such public presentations, certainly a more comprehensive list of interested property owners could be developed. The property owners mentioned above would be reasonable and logical people to begin with in exploring the possibilities of alternative forms of mine site reclamation.

BELT AREA
T19N R6E, Sec. 23

<u>Owner</u>	<u>Address</u>	<u>Legal Description</u>
Cynthia L. Bedker		
City of Belt		
Charles L. & Alice M. Berg	Belt, Montana 59412	In SWSE MK 4A
Albert E. Castner	Belt, Montana 59412	In SWSE MK 4 In SWSE MK 4C In SWNE By M & B MK 3A In SWNE, SENW, NWSE Ls 20.75
John C. Castner et al	Rte. 1, Box 1 Belt, Montana 59412	In SENW MK 12
East Belt Coal Co.		
J. Michael & Glenda Fleming	Belt, Montana 59412	In S/2N/2 MK 14G
Gary L. & Michele H. Fliginger	1917 15 Ave. S. Great Falls, Montana 59405	In S/2N/2 MK 14H
Jack W. Gamble	Box 47 Belt, Montana 59412	In SE/4 MK 6A
Gary W. & Floye M. Garrison	Box 453 Belt, Montana 59412	In NESW MK 11
Delilah M. Haney	Rt. 1, Box 3 Belt, Montana 59412	In SENW MK 14I

BELT AREA
T19N R6E, Sec. 23
 (Continued)

<u>Owner</u>	<u>Address</u>	<u>Legal Description</u>
Jerry T. Hayer et al	Belt, Montana 59412	
Arthur A. & Lula J. Henderson	Box 37 Belt, Montana 59412	In SWSE & SESW MK 16
Leo M & Judith C. Hertz	Box 523 Belt, Montana 59412	In SWNE & SENW MK 14B
Donald G. & Marcia J. Hubber	Terry, Montana 59349	NWNE, NENW Ls 16.19
Earl E. & Phyllis J. Jakes	Belt, Montana 59412	In SWSE MK 17
Wilmae Keaster	Belt, Montana 59412	W/2W/2, In NESW W/RR
Wayne V. & Ruth E. Kelly	Belt, Montana 59412	In NWSE MK 2
Earl B. & Ethel M. Kennedy	Box 233 Belt, Montana 59412	In SWNE MK 4D
James R. Koontz et al	Belt, Montana 59412	
James W. & Joyce C. Lake	Box 265 Belt, Montana 59412	In SWSE MK 4I
Charles M. & Kari M. Lindeman	Box 259 Belt, Montana 59412	In W/2SE MK 4E

BELT AREA
T19N R6E, Sec. 23
 (Continued)

<u>Owner</u>	<u>Address</u>	<u>Legal Description</u>
John R. & Shirley C. Marn	Box 201 Belt, Montana 59412	In NWNE MK 7B
Gordon D. & Sharlene McMillan	Star Rte. Belt, Montana 59412	In NWSE MK 4H
Joseph Milos et al	Box 142 Belt, Montana 59412	E/2SE Ls 18.11
Robert M. Milos et al	Belt, Montana 59412	
Robert M. & James E. Milos	Belt, Montana 59412	NWNE
Vernon Muretta	Belt, Montana 59412	In W/2SE MK 4L
Herman & Mildred Nottingham	Box 533 Belt, Montana 59412	In SENW MK 14A
Darrell F. & Alice M. O'Connell	Belt, Montana 59412	In SWSE MK 5
Seymor H. & Dorothy E. Ramberg	4228 Jadestone Dr. Las Vegas, Nevada 89108	In NESW MK 16B
John & Pearl Ryffel	Belt, Montana 59412	In SENW MK 14C
School District #29		
Dale J. & Sherry K. Schott	Belt, Montana 59412	In NENW MK 7A

BELT AREA
T19N R6E, Sec. 23
(Continued)

<u>Owner</u>	<u>Address</u>	<u>Legal Description</u>
Leroy Thayer	Box 296 Belt, Montana 59412	In SWSE MK 4B
Harvey E. & Lynn R. Thompson	Belt, Montana 59412	In W/2SE MK 4P
Paul & Emy Thompson	Belt, Montana 59412	In SWSE MK 4N
Thomas A. Thompson	Box 265 Belt, Montana 59412	In NENESW MK 16A
Harry L. & Vicki M. Throckmorton	Belt, Montana 59412	In SENW MK 14D
Gerald E. & Mavis M. Tuman	Belt, Montana 59412	In SWSE MK 4R
Bernard C. & Lula B. Wiskerchin	Box 98 Belt, Montana 59412	In NESW MK 13
Edward M. & Aimee L. Wood	Box 273 Belt, Montana 59412	
John I. & Bonnie J. Yurke	Belt, Montana 59412	In W/2SE MK 4F In NWSE MK 4G

BELT AREA
T19N R6E, Sec. 25

<u>Owner</u>	<u>Address</u>	<u>Legal Description</u>
Virgil N. & Viola H. Hanson	Star Rte., Box 3 Belt, Montana 59412	Tract so. of Belt Creek in the SWSW less than 2 ac.
James E. Milos, Trustee	Belt, Montana 59412	NENE
Robert M. & James E. Milos	Belt, Montana 59412	NW $\frac{1}{4}$, W2NE, W2SE, E $\frac{1}{2}$ SW, NWSW
Clinton Rayne Pilgeram	Box 67 East Glacier Park, Montana 59434	E $\frac{1}{2}$ SE, SENE
W. C. & Theola Sederholm	1401 1 St. S. Great Falls, Montana 59405	SWSW

BELT AREA
T19N R6E, Sec. 26
 Belt Original

<u>Owner</u>	<u>Address</u>	<u>Legal Description</u>
Cruz N. & Josephine M. Almanza	Box 5 Belt, Montana 59412	Blk. 13, Lots 30, 31, 32
Albert B. & Louise P. Audet	810 3 Ave. S. Great Falls, Montana 59405	Blk. 14, Lot 3
Larry J. & Dianne P. Baldwin	Belt, Montana 59412	Blk. 13, Lots 23 & 24
City of Belt		Blk. 1, Lot 6-S20' & Lots 7-N2½'
		Blk. 3, Lot 13
		Blk. 8, Lots 7, 8, 9
		Blk. 12, Lot 13-E3/5, 14, 15, 16
		Blk. 13, Lots 41, 42
		Blk. 14, Lot 9C
		Blk. 15, Center 1/4, Blk. 16, Lot 1
		Blk. C, Lot 1
The Town of Belt		Blk. C, Lot 7
Belt Fraternal Club	Belt, Montana 59412	Blk. 1, Lots 11 & 12

BELT AREA
T19N R6E, Sec. 26

Belt Original
(Continued)

<u>Owner</u>	<u>Address</u>	<u>Legal Description</u>
Belt Valley Bank	Belt, Montana 59412	Blk. 3, Lots 5, 6, 7 8, 9, 10
		Blk. 3, Lots 1-8
Aksel E. Berg	Box 38 Belt, Montana 50412	Blk. 12, Lots 31-W5', 32, 33, 34
June T. Berg	Box 422 Belt, Montana 59412	Blk. 3, Lots 11 & 12 Blk. 13, Lots 17, 18-E $\frac{1}{2}$ ', 19 and 20
Palmer, Clarence, Olga & Ethel Berg	Box 344 Belt, Montana 59412	Blk. 10, Lots 29, 30
Dennis L. & Joann C. Bishop	Belt, Montana 59412	Blk. 11, Lots 12, 13, 14
Gordon W. & Florence E. Black	c/o R. Hatleberg Box 313 Belt, Montana 59412	Blk. 1, Lots 9 & 10
Charles A. Bovey & Betty Hatcher	Box 1653 Belt, Montana 59412	Blk. 6, Lot 12
Eugene R. & Phyllis J. Briese	Belt, Montana 59412	Blk. 16, Lots 6, 7, 8
Dean B. & Janell A. Brown	Belt, Montana 59412	Blk. 1, Lot 4

BELT AREA
T19N R6E, Sec. 26

Belt Original
(Continued)

<u>Owner</u>	<u>Address</u>	<u>Legal Description</u>
Harry E. & Genevieve S. Brown	Belt, Montana 59412	Blk. 11, Lots 16, 17, 18
Elizabeth E. Browning	Box 216 Belt, Montana 59412	Blk. 12, Lots 12 & 13-W2/5 Lot 23 & 24
N. H. Jr. & Elizabeth Browning	Box 216 Belt, Montana 59412	Blk. 12, Lots 9, 10, 11
Kenneth L. Burley	Belt, Montana 59412	Blk. 10, Lots 1, 2, 3, 4
Kenneth & Maxine R. Burley	Belt, Montana 59412	Blk. 6, Lots 22, 23, 24 & 25 and Lots 29, 30 Blk. 7, Lot 7
Robert J. & Rosemary Bushman	Belt, Montana 59412	Blk. 11, Lots 5 & 6-W11'
David & Shelmerdene Carlson	Box 266 Belt, Montana 59412	Blk. 15, Frax 3/4
Robert & Emma Cave	Box 69 Belt, Montana 59412	Blk. 10, Lots 26, 27, 28 Blk. 14, Lots 1 & 2
Terry L. & Patricia J. Chestnut	Belt, Montana 59412	Blk. 6, Lots 7, 8 & 9 & 11
Mrs. Jennie Cinker	Belt, Montana 59412	Blk. 1, Lot 1

BELT AREA
T19N R6E, Sec. 26

Belt Original
(Continued)

<u>Owner</u>	<u>Address</u>	<u>Legal Description</u>
Cyril L. & Patricia A. Colarchik	Box 129 Belt, Montana 59412	Blk. 13, Lots 33, 34
Gary & Judy Crowder	Box 471 Belt, Montana 59412	Blk. 12, Lot 25
Alex & Thomas N. Darko	Belt, Montana 59412	Blk. 16, Lots 11, 12, 13
Josephine J. Darko	Rt. 1 Belt, Montana 59412	Blk. 16, Lots 14, 15, 16
Bobby E. & Margaret E. Dickman	Box 38 Belt, Montana 59412	Blk. 6, Lots 16, 17, 18E½
Harry B. & Martha Elam	Box 373 Belt, Montana 59412	Blk. 12, Lots 5, 6
Mary Ada Fabian	Box 261 Belt, Montana 59412	Blk. 13, Lots 1, 2, 3, 4, 5, 6
Frank L. Florek	Box 474 Belt, Montana 59412	Blk. 6, Lot 10
Charles J. & Marion D. Fulbright	Box 317 Belt, Montana 59412	Blk. 5, Lots 20, 21 & 22
Joe J. Gliko	Belt, Montana 59412	Blk. 3, Lots 18, 19 & 20

BELT AREA
T19N R6E, Sec. 26

Belt Original
(Continued)

<u>Owner</u>	<u>Address</u>	<u>Legal Description</u>
Irene Giomi	Box 374 Belt, Montana 59412	Blk. 14, Lots 14 & 15
Evan H. & Bertha Gary	Box 482 Belt, Montana 59412	Blk. 1, Lot 5 & Lot 6-N5'
Pauline Grena	Box 384 Belt, Montana 59412	Blk. 13, Lots 7, 8
Issac Haagenson	Belt, Montana 59412	Blk. 13, Lots 27, 28, 29
Edwin J. & Glada V. Hammett	Box 9 Belt, Montana 59412	Blk. 11, Lots 29 & 30
Gary A. & Denise R. Hansen	Box 353 Belt, Montana 59412	Blk. 9, Lots 16 & 17
William & Marg Hanzel	Belt, Montana 59412	Blk. 5, Lot 18-E16', Lot 19
John & Dorothy Harcharik	Box 27 Belt, Montana 59412	Blk. 10, Lots 9, 10, 11, 12
Danny R. & Nadine E. Hardinger	Belt, Montana 59412	Blk. 12, Lot 17-N $\frac{1}{2}$ Lot 18-N $\frac{1}{2}$
L. A. & Mary Heath	Belt, Montana 59412	Blk. 9, Lots 5 & 6
Larry J. & Rosaltta E. Howes	Box 268 Belt, Montana 59412	Blk. 6, Lot 18-W $\frac{1}{2}$, Lot 19, 20 21-E $\frac{1}{2}$

BELT AREA
T19N R6E, Sec. 26

Belt Original
(Continued)

<u>Owner</u>	<u>Address</u>	<u>Legal Description</u>
Jerry T. & Nina M. Hoyer	Box 402 Belt, Montana 59412	Blk. 12, Lots 7 & 8 Blk 16, Lots 19-22
Janet R. Jacobs	1419 Hollins Helena, Montana 59601	Blk. 1, Lot 7-S22½'
Earl E. & Phyllis I. Jakes	Belt, Montana 59412	Blk. 1, Lots 2 & 3
Carl G. & Flossie M. Johnson	Belt, Montana 59412	Blk 10, Lot 18-W15' Lot 19
Gary E. & Linda L. Johnson	Belt, Montana 59412	Blk. 16, Lots 17, 18
Kenneth E. & Mary A. Johnson	Box 36 Belt, Montana 59412	Blk. 6, Lots 13, 14 & 15
Margaret R. Johnson & Maxine Tender	Box 64 Belt, Montana 59412	Blk. 10, Lots 16, 17 & 18-E10'
Marlin K. & Helen J. Johnson	Box 41 Belt, Montana 59412	Blk. 16, Lots 2, 3, 4, 5
Wilmae Lu Keaster	Belt, Montana 59412	Blk. 3, Lot 1-NE Pt Blk. 5, Lots 27 & 28
Doherty Ruth King	Box 135 Belt, Montana 59412	Blk. 9, Lots 18 & 19

BELT AREA
T19N R6E, Sec. 26

Belt Original
(Continued)

<u>Owner</u>	<u>Address</u>	<u>Legal Description</u>
Fred R. King	Belt, Montana 59412	Blk. 9, Lots 1, 2, 20, 21, 22 23, 24
Eino Kivi	Box 18 Belt, Montana 59412	Blk. 11, Lot 15
Robert T. Klasner, Jr.	Stockett, Montana 59480	Blk. 2, Lots 6, 7, 8 9, 10, 11
Edna M. & Joseph J. Kleffner	Box 493 Belt, Montana 59412	Blk. 14, Lots 10, 11
Phillip A. Kleffner	Belt, Montana 59412	Blk. 3, Lot 25 Blk 4, Lot 1 Blk. 6, Lot 21-W $\frac{1}{2}$
Impie S. Korin & Ruth M. Rogers	Box 124 Belt, Montana 59412	Blk 14, Lots 4, 5, 6, 7
Selma Koski	Belt, Montana 59412	Blk. 13, Lot 15
Russell & Jessie Leland	Box 243 Belt, Montana 59412	Blk. 12, Lots 1, 2, 3, 4
Joseph P. & Betty Lindeman	Belt, Montana 59412	Blk. 10, Lot 23-W $\frac{1}{2}$, 24, 25
Gerald D. & Francis J. Maberry	Box 101 Belt, Montana 59412	Blk. 10, Lots 13, 14, 15

BELT AREA
T19N R6E, Sec. 26

Belt Original
(Continued)

<u>Owner</u>	<u>Address</u>	<u>Legal Description</u>
Eino A. & Sylvia A. Maki	Belt, Montana 59412	Blk. 6, Lots 4, 5, 6 & 26, 27, 28
Eugene C. & Marianne Martin	Belt, Montana 59412	Blk. 9, Lot 7
William Mattila	Belt, Montana 59412	Blk. 11, Lots 6-E14', 7, 8, 9-W19'
Gordon D. & Sharlene M. McMillan	Belt, Montana 59412	Blk. 10, Lots 5, 6, 7, 8
Lucinda E. Mearns	Box 136 Belt, Montana 59412	Blk. 5, Lots 9, 10, 11 & 12
Methodist Church		Blk. 11, Lots 1, 2, 3, 4
Ted R. & Ruthetta Metzger	Box 345 Belt, Montana 59412	Blk. 13, Lots 35, 36, 37, 38, 39, 40
James R. Mital	Box 368 Belt, Montana 59412	Blk. 5, Lots 23, 24, 25, & 26
Ethel E. Mitchell	Box 276 Belt, Montana 59412	Blk. 13, Lots 25 & 26
Oliver R. & Georgia M. Moe	Belt, Montana 59412	Blk. C, Lots 1A & 2A
The Montclair Methodist Church		Blk. 9, Lots 12, 13, 14, 15

BELT AREA
T19N R6E, Sec. 26

Belt Original
 (Continued)

<u>Owner</u>	<u>Address</u>	<u>Legal Description</u>
Vernon V. Muretta	Belt, Montana 59412	Blk. 11, Lots 23, & 24
Donald W. & Joann Noble	Box 3 Belt, Montana 59412	Blk. 12, Lots 26, 27, 28 29-E $\frac{1}{2}$, 30-W $\frac{1}{2}$, 31-E20'
Lloyd E. & Lillian D. Pearse	Belt, Montana 59412	Blk. 10, Lots 20, 21, 22, 23-E $\frac{1}{2}$ Blk 11, Lot 9-E6', Lots 10 & 11
Andrew & Anna R. Pejko	Belt, Montana 59412	Blk. 3, Lots 21, 22, 23 & 24
Fred & Chas F. Remington	R.F.D. Raynesford, Montana 59469	Blk. 8, Lots 1, 2, 3, 4, 5, 6
Roman Catholic Bishop of Great Falls		Blk. 2, Lots 1 & 2
Fritz G. & Edith Roos	Belt, Montana 59412	Blk. 9, Lots 9, 10, 11
Fred A. Rubino et al	c/o J. Rubino, Box 94 Joplin, Montana 59531	Blk. 11, Lots 21 & 22
Elizabeth Ryffel	Belt, Montana 59412	Blk. 12, Lot 17-S $\frac{1}{2}$, Lot 18-S $\frac{1}{2}$, Lot 19
Erna L., Gottlieb J. & Henry H. Ryffel	Belt, Montana 59412	Blk 5, Lots 1 thru 8

BELT AREA
T19N R6E, Sec. 26

Belt Original
(Continued)

<u>Owner</u>	<u>Address</u>	<u>Legal Description</u>
Arnold B. Schermerhorn	Belt, Montana 59412	Blk. 12, Lots 21, 22
Marvin D. & Mildred A. Sivak	357 Carol Dr. Great Falls, Montana 59405	Blk 14, Lots 12 & 13
Wanda E. Smith	3717 3 Av. S. Great Falls, Montana 59405	Blk. 9, Lots 3 & 4
Ralph C. & Leroy Spiller	Belt, Montana 59412	Blk. 14, Lots 8 & 9-W/2W/2
Harriet E. Stein	Box 192 Belt, Montana 59412	Blk. 11, Lots 27 & 28
Eva E. Stober et al	Box 331 Belt, Montana 59412	Blk. 14, Lot 9-E/2W/2 & E12'
David & Judy Stroop et al	Box 301 Belt, Montana 59412	Blk. 6, Lots 1, 2 & 3
George C. & Agnes H. Swanke	Belt, Montana 59412	Blk. 9, Lot 8
Janet Teller	c/o J. Strathman 1703 N. Maple Bloomington, Indiana 47401	Blk. 12, Lot 20
Harry L. & Vicki M. Throckmorton	Belt, Montana 59412	Blk. C, Lots 2, 3, 4, 4A, 5

BELT AREA
T19N R6E, Sec. 26

Belt Original
(Continued)

<u>Owner</u>	<u>Address</u>	<u>Legal Description</u>
Frank T & Vivian I. Urlick	Box 17 Belt, Montana 59412	Blk 3, Lots 3 & 4
Tony G. & Edna R. Urlick	Box 325 Belt, Montana 59412	Blk. 2, Lots 3, 4, & 5
James & Mildred A. Veleber	Box 46 Belt, Montana 59412	Blk. 5, Lots 13, 14, 15, 16, 17-W1'
Mildred A. & Dennis L. Veleber	Box 46 Belt, Montana 59412	Blk 5, Lot 17-E24', Lot 18-W9'
V. F. W. Stanley Freie Post #4198		Blk 1, Lot 13
Martin R. Vigen, Sr.	Belt, Montana 59412	Blk. 11, Lots 25 & 26
Jerry E. & Anita R. Virts	Belt, Montana 59412	Blk. 13, Lots 21 & 22
Richard R. & Virginia A. Wieweck	c/o V. Trotchie 721 14 St. Havre, Montana 59501	Blk. 16, Lots 9, 10
Nona A. Williamson et al	Box 356 Belt, Montana 59412	Blk. 13, Lot 16 and Lot 17-W $\frac{1}{2}$
Joyce G. & Helen J. Wohlgemuth	Vaughn, Montana 59487	Blk. 9, Lot 25

BELT AREA
T19N R6E, Sec. 26

Belt Original
(Continued)

<u>Owner</u>	<u>Address</u>	<u>Legal Description</u>
George & Helen Wood	Box 95 Belt, Montana 59412	Blk. 1, Lot 8
Helen J. Wood	Belt, Montana 59412	Blk., 3, Lot 1-S Pt and Lot 2
Nicholas Yendrick	Belt, Montana 59412	Blk. 11, Lots 19 & 20
Michael J. & Marjorie A. Zuhoski	Belt, Montana 59412	Blk. 13, Lots 9, 10, 11, 12, 13, 14

BELT AREA
T19N R6E, Sec. 26
 1st Addition to Belt

<u>Owner</u>	<u>Address</u>	<u>Legal Description</u>
Esther A. Abernathy et al	Belt, Montana 59412	Blk. 7, Lots 16 & 17
Eiken M. Brutosky & Ernestine H. Urbanich	3 Prospect Drive Great Falls, Montana 59405	Blk. 7, Lots 18 & 19
Elizabeth E. Browning	Belt, Montana 59412	Blk. 6, Lots 4 & 5-E½ and Lot 7C
John G. & Terry A. Burgess	Belt, Montana 59412	Blk. 5, Lots 1-5
Freeman G. & Elizabeth Burley	Belt, Montana 59412	Blk. 7, Lots 5, 6, 7, 8
Jalmer C. & Montana L. Carlson	Box 73 Belt, Montana 59412	Blk. 7, Lots 3 & 4
Karol Kay Carlson	Box 73 Belt, Montana 59412	Blk. 5, Lot 14-W 15' and Lot 15
Edward R. Durbin	409 10 Av. SW Great Falls, Montana 59404	Blk. 1, Lots 8 & 9
Glen A. & Irene N. Enderson	Box 442 Belt, Montana 59412	Blk. 3, Lots 1-6
Stanley J. Fabian et al	c/o Belt Valley Bank Belt, Montana 59412	Blk. 6, Lot 1

BELT AREA
T19N R6E, Sec. 26
(Continued)

<u>Owner</u>	<u>Address</u>	<u>Legal Description</u>
Viola A. Falls	Box 117 Belt, Montana 59412	Blk. 6, Lots 7A & 7B
Robert E. & Lora L. Feist	Box 139 Belt, Montana 59412	Blk. 7, Lot 20
David K. & Edna M. Foster	Belt, Montana 59412	Blk. 7, Lots 11, 12
Shirl L. & Phyllis Francom	Belt, Montana 59412	Lot D
Holdine K. Gillette	Box 267 Belt, Montana 59412	Blk. 6, Lots 2 & 3 and Lot 5-W ¹ / ₂ & Lot 6
Esther D. Haagenson	Box 7136, McConnell AFB Wichita, Kansas 67221	Blk. 4, Lots 1 & 2
Hilma Heckerman	Box 263 Belt, Montana 59412	Blk. 5, Lots 16 & 17
James O. & Zelda M. Irvine	Belt, Montana 59412	Blk. 5, Lots 6 & 7 Lot 12-W 5', 13 & 14-E 10'
Russell T. & Marie B. Jackson	Box 512 Belt, Montana 59412	Blk. 3, Lots 7 & 8
Kenneth Johnson & Anna Ruth Pejko	Highwood, Montana 59450	Blk. 6, Lot 7

BELT AREA
T19N R6E, Sec. 26
(Continued)

<u>Owner</u>	<u>Address</u>	<u>Legal Description</u>
Ben Koski	Box 204 Belt, Montana 59412	Blk. 4, Lot 4
Rose Ligas et al	c/o Mary Suden 125 15 St. Black Eagle, Montana 59414	Blk. 4, Lot 3
Robert W. & Bette Jo Maki	Belt, Montana 59412	Blk. 5, Lots 18 & 19
Edward J. & Billie B. Marn	Box 241 Belt, Montana 59412	Blk. 1, Lots 5, 6, 7
Gerald L. & Judith L. Marn	Box 372 Belt, Montana	Blk. 4, Lots 5 & 6
John R. & Shirley C. Marn	Box 201 Belt, Montana 59412	Blk. 4, Lots 12 & 13
Ben McCoy	Belt, Montana 59412	Blk. 7, Lots 14 & 15
J. B. McGurk	Belt, Montana 59412	Blk. 2, Lot 2
Margaret Millard	Belt, Montana 59412	Blk. 2, Lot 1
Mike & Eva E. Mittal et al	Belt, Montana 59412	Blk. 7, Lot 2
Shirley M. Murphy	Box 144 Belt, Montana 59714	Blk. 7, Lot 1

BELT AREA
T19N R6E, Sec. 26
(Continued)

<u>Owner</u>	<u>Address</u>	<u>Legal Description</u>
William & Patricia S. Neill	Box 83 Belt, Montana 59412	Blk. 5, Lots 8, 9, 10 11, 12-E 20'
Elizabeth V. Pohlod	Belt, Montana 59412	Blk. 4, Lot 7
Alice F. Satter	Box 306 Belt, Montana 59412	Blk. 7, Lot 13
June M. Stewart	Box 383 Belt, Montana 59412	Blk. 7, Lot 9 & 10
Anna Szabo & Andy Baron	Box 394 Belt, Montana 59412	Blk. 4, Lots 8-11
Floyd C. & Phyllis V. Thompson	Belt, Montana 59412	Blk. 1, Lots 1, 2, 3, 4
Mearlyn B. & Leona Wheeler	c/o R. McCloud 16 Ave. S. Great Falls, Montana 59405	Blk. 1, Lots 10, 11, 12, 13

BELT AREA
T19N R6E, Sec. 26
2nd Addition to Belt

<u>Owner</u>	<u>Address</u>	<u>Legal Description</u>
Clayton W. & Ardis Anderson	Box 255 Belt, Montana 59412	Blk. 6, Lots 11-14
Frank B. & Sharon Brown	Box 7 Belt, Montana 59412	Blk. 2, Lots 5, 6 & 7
N.H. & Elizabeth E. Browning	Box 216 Belt, Montana 59412	Blk. 4, Lots 5-8
Thomas G. & Jessie L. Calvert	c/o T.M. Calvert Belt, Montana 59412	Blk. 4, Lots 1-4
Cascade Co.		Blk. 1, Lots 1-5 & 9-16 Blk. 2, Lots 15 & 16
Frank Cinker	Box 292 Belt, Montana 59412	Blk. 2, Lot 9-E8' Lots 10 & 11
Glen & Irene N. Enderson	Box 442 Belt, Montana 59412	Blk. 1, Lots 6, 7, 8
David K. & Edna M. Foster	Belt, Montana 59412	Blk. 5, Lot 8
Jack W. Gamble	Box 47 Belt, Montana 59412	Blk. 7, Lots 6-23 Blk. 8, Lots 1-25
Michael R. & Sharon Gamble	Belt, Montana 59412	Blk. 5, Lots 10 & 11
William O. Hendrickson	Box 278 Belt, Montana 59412	Blk. 5, Lots 14, 15 & 16

BELT AREA
T19N R6E, Sec. 26
 2nd Addition to Belt
 (Continued)

<u>Owner</u>	<u>Address</u>	<u>Legal Description</u>
Arthur L. & Shirley A. Hill	Belt, Montana 59412	Blk. 3, Lots 11, 12, 13, 14, 15 & 16
Clarence W. & Josephine G. Inman	Belt, Montana 59412	Blk. 5, Lots 1-4
Martin A. Johnson, Jr.	Box 545 Belt, Montana 59412	Blk. 7, Lots 1-5
Jan T. & C. John Kuno	Rager Ranger Station Box 14 Paulina, Oregon 97752	Blk. 2, Lots 12, 13, 14
Gerald L. & Judith L. Marn	Box 372 Belt, Montana 59412	Blk. 2, Lot 9-Bal (Less E8')
Marie E. Mital	Box 379 Belt, Montana 59412	Blk. 2, Lots 3 & 4
Gerald G. & Evelyn Murphy	312 30 St. S Great Falls, Montana 59405	Blk. 5, Lots 12 & 13
William N. & Patricia Neill	Box 83 Belt, Montana 59412	Blk. 3, Lots 7, 8, 9, 10
Elizabeth V. Pohlod	Belt, Montana 59412	Blk. 2, Lot 8
Mel W. & Bonita A. Rennick	Belt, Montana 59412	Blk. 6, Lots 1-10

BELT AREA
T19N R6E, Sec. 26
2nd Addition to Belt
(Continued)

<u>Owner</u>	<u>Address</u>	<u>Legal Description</u>
Frederick Simmons	Box 88 Belt, Montana 59412	Blk. 2, Lots 1 & 2
June M. Stewart	Box 383 Belt, Montana 59412	Blk. 5, Lot 9
Gerald L. & Marcelyn Ann Stinson	Belt, Montana 59412	Blk. 3, Lots 4, 5, 6
Phillip E. & M. Maxine Tender	Belt, Montana 59412	Blk. 5, Lots 5-7
Harry A. & Amelia Throckmorton	Box 294 Belt, Montana 59412	Blk. 3, Lots 1, 2, 3
Gary G. & Edna K. Wohgemuth	Vaughn, Montana 59487	Blk. 9, Lots 1-7

BELT AREA
T19N R6E, Sec. 26
 Anaconda Addition to Belt

<u>Owner</u>	<u>Address</u>	<u>Legal Description</u>
Frank A. & Nina A. Ballatore	Box 444 Belt, Montana 59412	Blk. 5, Lots 1-6
Richard Ballatore	Box 107 Belt, Montana 59412	Blk. 5, Lots 7-16
City of Belt		Blk. 1, Lot 1 Blk. 3, Lot 9
George & Violet L. Bestwina	Belt, Montana 59412	Blk. 5, Lots 17-20
Elizabeth Browning	Belt, Montana 59412	Blk. 3, Lots 17-22
Elbert R. Coleman	Box 123 Belt, Montana 59412	Blk. 4, Lots 9-13
General Mills Inc.	c/o Tax Dept., Box 1113 Minneapolis, Minnesota 55440	Lot C
Hugh Grogan	Box 404 Belt, Montana 59412	Blk. 4, Lots 1-5 & 7, 8
Hugh E. & Jessie J. Grogan	Box 404 Belt, Montana 59412	Blk. 4, Lot 6
Wm. J. & Sarah Harner	c/o E. Mace 8812 W. Court Pasco, Washington 99301	Blk. 1, Lots 2, 3, 4

BELT AREA
T19N R6E, Sec. 26
Anaconda Addition to Belt
(Continued)

<u>Owner</u>	<u>Address</u>	<u>Legal Description</u>
Julius M. & Mary B. Johnson	Box 67 Belt, Montana 59412	Blk. 2, Lots 2, 3, 4, 5 Blk. 3, Lots 6, 7, 8
Norman L. & Judy L. Poppe	Box 75 Belt, Montana 59412	Blk. 3, Lots 23, 24, 25
James C. & Gloria Warehime	Box 26 Belt, Montana 59412	Blk. 3, Lots 1-5
Beauford Wells	Belt, Montana 59412	Blk. 3, Lots 10, 11, 12
Beauford J. & Dinah L. Wells	Belt, Montana 59412	Blk. 3, Lots 13, 14, 15, 16 Blk. 1, Lots 4 & 5
James G. & Sandra L. Whitaker	4020 5 Ave. S. Great Falls, Montana 59405	Blk. 2, Lot 1

BELT AREA
T19N R6E, Sec. 26
 Castners - 1st Addition to Belt

<u>Owner</u>	<u>Address</u>	<u>Legal Description</u>
City of Belt		Blk. 1, Lot 1-N10' Blk. 2, Lots 11 & 12
E.C. & Esther Brurud	c/o C. Brurud Belt, Montana 59412	Blk. 1, Lot 1-S15', Lots 2 & 3 Blk. 2, Lots 2 & 3
Cascade County (County Jail)		Blk. 2, Lot 13
Robert W. & Bessie M. Custer	Belt, Montana 59412	Blk. 1, Lots 10-13
Virgil N. & Viola Hanson	Star Rt., Box 3 Belt, Montana 59412	Blk. 2, Lots 14-18
Sister Johnelle Howanach	Belt, Montana 59412	Blk. 2, Lots 4, 5, 6
Nelle M. & Alice Klimas	Box 251 Belt, Montana 59412	Blk. 1, Lots 7 & 8
Lawrence & Verna A. Nicola	Box 272 Belt, Montana 59412	Blk. 2, Lots 7 & 8
Sherril Rector	c/o S. Brown General Delivery Belt, Montana 59412	Blk. 1, Lot 6
Mike Sechena	1301 2 W. Hill Dr. Great Falls, Montana 59404	Blk. 2, Lots 9 & 10

BELT AREA
T19N R6E, Sec. 26
Castners - 1st Addition to Belt
(Continued)

<u>Owner</u>	<u>Address</u>	<u>Legal Description</u>
Harry L. Throckmorton & David C. Stroop	Belt, Montana 59412	Blk. 2, Lot 1
Ann M. Whalem	Belt, Montana 59412	Blk. 1, Lot 9

BELT AREA
T19N R6E, Sec. 26
 Castners 2nd Addition to Belt

<u>Owner</u>	<u>Address</u>	<u>Legal Description</u>
Robert J. & Cheryl M. Berard	Av. A Belt, Montana 59412	Blk. 4, Lots 20-22
N. H. & Elizabeth E. Browning	Box 216 Belt, Montana 59412	Blk. 5, Lot B
Lucille Chesbro	Box 193 Belt, Montana 59412	Blk. 5, Lots 1A, 2A, 3A
Henry A. & Glenda M. Coles	Belt, Montana 59412	Blk. 5, Lots 6 and 5AA
John P. & Mary M. Donovan	Box 174 Belt, Montana 59412	Blk. 1, Lots 1 & 2, Lot A
Joe J. Gliko	Box 23 Belt, Montana 59412	Blk. 4, Lot 18
Gladys V. Hansen	Box 357 Belt, Montana 59412	Blk. 5, Lot 4
Earl & Phyllis Jakes	Belt, Montana 59412	Blk. 4, Lot 6-S $\frac{1}{2}$ and Lot 7
Julia A. Johnson et al	Box 304 Belt, Montana 59412	Blk. 1, Lot 10-S 8' of east 69', Lot 11-E 69'
Wilmae Lu Keaster	Belt, Montana 59412	Blk. 3, Lots 2 & 3 & Lot 4 less swpt Blk. 5, Lots 1-2 and Lots 4A, 5A, and 6A

BELT AREA
T19N R6E, Sec. 26
 Castners 2nd Addition to Belt
 (Continued)

<u>Owner</u>	<u>Address</u>	<u>Legal Description</u>
Phillip A. Kleffner	Box 432 Belt, Montana 59412	Blk. 3, Lots 5-7
Henry B. & Ann Martin	Box 362 Belt, Montana 59412	Blk. 1, Lot 8, 9
Lourena McCafferty	Belt, Montana 59412	Blk. 1, Lot 10-Bal, Lot 11-W11' of E 80' and W 50'
Gordon D. & Sharlene M. McMillan	c/o D. Mitchell Box 252 Belt, Montana 59412	Blk. 4, Lot A
John T. & Roberta C. Mital	Box 63 Belt, Montana 59412	Blk. 4, Lots 12 & 13
Shirley Murphy	Box 144 Belt, Montana 59412	Blk. 4, Lot 19
Inez M. Noble	Box 86 Belt, Montana 59412	Blk. 4, Lot 1
Mabel L. Pejko	Belt, Montana 59412	Blk. 5, Lots 7A, 8A, 9A, 10A
Loween E. Peterson	Belt, Montana 59412	Blk. 4, Lots 3-S10' and Lot 4
Amiee E. Pimperton	Box 485 Belt, Montana 59412	Blk. 4, Lot 8

BELT AREA
T19N R6E, Sec. 26
 Castners 2nd Addition to Belt
 (Continued)

<u>Owner</u>	<u>Address</u>	<u>Legal Description</u>
William J. & Nancy E. Rodgers	Belt, Montana 59412	Blk. 5, Lot 11A
Roman Catholic Bishop of Great Falls		Blk. 2, Lots 1-5
Elizabeth C. Ryffel	Belt, Montana 59412	Blk. 1, Lots 5, 6, 7
Gottlieb J. & Pearl M. Ryffel	Belt, Montana 59412	Blk. 4, Lots 2 & 3-N 40'
School Dist. 29 & High School Dist. D		Blk. 4, Lot 14
Russell W. & Marilyn L. Servoss	Belt, Montana 59412	Blk. 1, Lots 3 & 4
Dale E. & Chinuk Smith	General Delivery Belt, Montana 59412	Blk. 4, Lot X
Lenore J. Stokes	Box 133 Belt, Montana 59412	Blk. 4, Lot 10-S 38' and Lot 11
Alma E. & Marilyn E. Sweeney	Box 203 Belt, Montana 59412	Blk. 4, Lots 5 and 6-N $\frac{1}{2}$
Harry L. & Vicki Throckmorton	Box 441 Belt, Montana 59412	Blk. 5, Lot 3A
David K. Vigen	Belt, Montana 59412	Blk. 5, Lot 3-N 40'

BELT AREA
T19N R6E, Sec. 26
Castners 2nd Addition to Belt
(Continued)

<u>Owner</u>	<u>Address</u>	<u>Legal Description</u>
Clara A. Warchime	Belt, Montana 59412	Blk. 4, Lot 15
Pauline A. Warchime	c/o P. Rose Belt, Montana 59412	Blk. 3, Lot 1
Andres & Ruth Weggeland	Belt, Montana 59412	Blk. 4, Lots 9 and 10-N 12'
Helen J. Wood	Belt, Montana 59412	Blk. 3, Lot 4-SW Pt
Russell & Frances C. Zanto	Belt, Montana 59412	Blk. 4, Lots 16 & 17
Lillian Zuern	Heath Star Rt., Space #A4 Cambridge, ID 83610	Blk. 5, Lot 5

BELT AREA
T19N R6E, Sec. 26
 Castners 4th Addition

<u>Owner</u>	<u>Address</u>	<u>Legal Description</u>
Frank A. Ballatore	Box 444 Belt, Montana 59412	Coke Oven Flats, Lot 6
Richard Ballatore	Box 107 Belt, Montana 59412	French Coulee, Lots 17 and 38, 39, and 41
Richard & Betty E. Ballatore	Box 107 Belt, Montana 59412	French Coulee, Lot 42
Sam Ballatore	Box 107 Belt, Montana 59412	Coke Oven Flats, Lot 6
"	"	French Coulee, Lots 18, 19 & 20 and 33, 34, 35, 36
Sam & Mamie Ballatore	Box 10 Belt, Montana 59412	French Coulee, Lot 37
Gordon W. & Florence E. Black	Box 34 Belt, Montana 59412	Grove, Lot 1
Cascade County		Coke Oven Flats, Lot 8
Marlene Cinker	Box 113 Belt, Montana 59412	French Coulee, Lots 21, 22, 23 24, and 27, 28, 29 and 40
Jerry D. & Diane E. Herigon	Belt, Montana 59412	Grove, Lots 4 & 5
Joseph E. Midura	Box 51 Belt, Montana 59412	Coke Oven Flats, Lot 13

BELT AREA
T19N R6E, Sec. 26
Castners 4th Addition
(Continued)

<u>Owner</u>	<u>Address</u>	<u>Legal Description</u>
William D. & Gwenevere L. Miller	Belt, Montana 59412	Grove, Lot 3
Anna A. Nicola	Box 286 Belt, Montana 59412	Coke Oven Flats, Lot 14
Lawrence & Verna Nicola	Box 272 Belt, Montana 59412	Coke Oven Flats, Lot 15
Leonard N., Sr. & Ruby L. Nicola	c/o L. Nicola Box 272 Belt, Montana 59412	Coke Oven Flats, Lot 16
Leroy & Faye F. Spiller	Belt, Montana 59412	Coke Oven Flats, Lot 10
State of Montana		French Coulee, Lots 30, 31, & 32
Edward N. & Selmar S. Talvi	Belt, Montana 59412	Grove, Lot 2
Russel L. & Joanne Voytoski	Box 62 Belt, Montana 59412	Coke Oven Flats, Lots 11, 12

BELT AREA
T19N R6E, Sec. 26
 Belt - Upper & Lower Row
Lower Row

<u>Owner</u>	<u>Address</u>	<u>Legal Description</u>
Elizabeth E. Browning & John R. Marn	c/o G. Hansen Belt, Montana 59412	Blk. 1, Lot 1
N.H. Browning, Jr.	Box 216 Belt, Montana 59412	Blk. 3, Lot 11
Robert W. & Bessie M. Custer	Belt, Montana 59412	Blk. 3, Lot 17
Joseph & Josephine Dobkoski	Box 253 Belt, Montana 59412	Blk. 3, Lot 13
Farmers Union Oil Co.	Box 2483 Great Falls, Montana 59403	Blk. 2, Lot 2A
Frank L. Florck	Box 474 Belt, Montana 59412	Blk. 3, Lots 15 & 16
Virgil L. & Viola H. Hanson	Star Rte., Box 3 Belt, Montana 59412	Blk. 2, Lots 3 less S 20', 3A & 3B
Jerry L. & Linda H. Kjelsrud	Belt, Montana 59412	Blk. 3, Lot 5
Vernon E. Locke	Rt. 1 Sheperd, Montana 59079	Blk. 3, Lots 1, 2, 3
Howard K. Lovett	Belt, Montana 59412	Blk. 3, Lot 18

BELT AREA
T19N R6E, Sec. 26
 Belt - Upper & Lower Row
Lower Row
 (Continued)

<u>Owner</u>	<u>Address</u>	<u>Legal Description</u>
Earl L. & Genevieve R. Mizen	c/o M. Geraghty Boulder, Montana 59632	Blk. 3, Lot 19
W. H. Joseph Morris	Box 181 Belt, Montana 59412	Blk. 3, Lot 4 Blk. 3, Lot 3-S 20'
Ole B. & Fay Paulson	Belt, Montana 59412	Blk. 3, Lot 12
Edith E. Sells	Box 96 Belt, Montana 59412	Blk. 3, Lot 14
Edward W. & Marjorie L. Spragg	P.O. Box 29 Belt, Montana 59412	Blk. 2, Lot 1
Robert Stroop	Belt, Montana 59412	Blk. 3, Lots 7-10
Harry Lee Throckmorton	Box 441 Belt, Montana 59412	Blk. 3, Lot 6
Earl & Betty Warehime	Box 193 Belt, Montana 59412	Blk. 1, Lot 2 & 3
Percy M. Wraught	290 Amy Lane Idaho Falls, Idaho 83401	Blk. 3, Lot 20

BELT AREA
T19N R6E, Sec. 26
Belt - Upper & Lower Row
Upper Row

<u>Owner</u>	<u>Address</u>	<u>Legal Description</u>
Thomas S. Burcham	Box 446 Belt, Montana 59412	Blk. 4, Lots 7, 8, 9, 10-S 20'
Jack Jr. & Theodore Bykani	Box 14 Belt, Montana 59412	Blk. 4, Lot 2
Edward J. & Katherine Grace Elan	Box 405 Belt, Montana 59412	Blk. 4, Lots 16 & 17
First Nat'l Bank of Belt	c/o Bertha Rutter Belt, Montana 59412	Blk. 4, Lot 6
Earl R. & Susanna S. Frazier	Box 424 Belt, Montana 59412	Blk. 4, Lot 10-N 20', 11, 12, 13
Evan Gray	Box 482 Belt, Montana 59412	Blk. 4, Lot 3
Evan H. & Bertha Gray	Box 482 Belt, Montana 59412	Blk. 4, Lot 4
Stanley C. & Valerie E. Guedesse	Belt, Montana 59412	Blk. 4, Lot 21
Dennis Lawrence & Jane E. Langan	Box 358 Belt, Montana 59412	Blk. 4, Lots 22 & 23
James C. Rubino	Box 396 Belt, Montana 59412	Blk. 4, Lots 14 & 15

BELT AREA

T19N R6E, Sec. 26

Belt - Upper & Lower Row

Upper Row

(Continued)

<u>Owner</u>	<u>Address</u>	<u>Legal Description</u>
Earl P. & Louise M. Sanders	Belt, Montana 59412	Blk. 4, Lots 18, 19 & 20
Pauline M. Wood & Helen L. Brutoski	Box 322 Belt, Montana 59412	Blk. 4, Lot 5

BELT AREA
T19N R6E, Sec. 26
 Central Addition to Belt

<u>Owner</u>	<u>Address</u>	<u>Legal Description</u>
John D. & Irene S. Austin	Star Rte. Belt, Montana 59412	Blk. 18, Lots 8-18
Myron T. Bell		Blk. 15, Lots 2-6, 17-23
Great Northern Ry. Co. R/W		Blk. 12, Lots 1-11
Opal G. Goodman	Star Rte., Box 30 Belt, Montana 59412	Blk. 10, Lots 1, 2, 3 Blk. 18, Lots 5, 6, 7
J. H. Saul & Rose M. Thayer	Belt, Montana 59412	Blk. 13, Lot 4
W. C. & Theola Sederholm	1401 1st St. S. Great Falls, Montana 59405	Blk. 1, Lots A & B Lots 2-8 Blk. 2, Lots 1-16 Blk. 3, Lots 1-18 Blk. 4, Lots 1-4 Blk. 5, Lots 1-9 & 15-23 Blk. 6, Lots 1-16 Blk 7, Lots 1-16 Blk. 8, Lots 1-8 Pt and 16-Pt and 18-22 Blk. 9, Lots 3-15 Blk. 10, Lots 4-12 Blk. 11, Lots 1-13 Blk. 12, Lots 12, 13, 14 Blk. 13, Lots 1, 2, 3 & 5-16 Blk. 14, Lots 1-16 Blk. 15, Lots 9, 11, 13 Blk. 16, Lots 1-5 Blk. 17, Lots 1-11

BELT AREA
T19N R6E, Sec. 26
Central Addition to Belt
(Continued)

<u>Owner</u>	<u>Address</u>	<u>Legal Description</u>
State of Montana		Blk. 5, Lots 10, 11, 12, 13, 14, 15-pt Blk 8, Lots 8-Pt, 9, 10, 11, 12 13, 14, 15, 16-Pt. Blk. 15, Lots 7, 8, 9, 14, 15, 16

BELT AREA
T19N R6E, Sec. 26
 Kennedy's Addition to Belt

<u>Owner</u>	<u>Address</u>	<u>Legal Description</u>
Marlene Cinker	Box 113 Belt, Montana 59412	Blk. 4, Lots 1-17 and 19-22 Blk. 8, Lots 1-24
Great Northern Ry Co. R/W		Blk. 2, Lots 2-7 Blk. 3, Lots 1-12 and 23, 24
William M. Holt	H Bar R Ranches Lolo, Montana 59487	Blk. 5, Lots 7, 9
Genevieve R. Mizen et al	c/o M. Geraghty Boulder, Montana 59632	Blk. 7, Lot 3 & 4
State of Montana		Blk. 6, Lots 1-9 Blk. 7, Lots 13-20 Blk. 11, Lots 1-24 Blk. 14, Lots 1-5 Blk. 15, Lots 6-10
Gerald L. & Marcelyn A. Stinson	Belt, Montana 59412	Blk. 1, Lots 1-12 Blk. 2, Lot 1 Blk. 3, Lots 13-22 Blk. 5, Lots 1-6 & 10-14 Blk. 7, Lots 1 & 2 Lots 5-12 & 21-24 Blk. 9, Lots 1-13 Blk. 10, Lots 1-24 Blk. 12, Lots 1-12 Blk. 13, Lots 1-5 Blk. 14, Lots 6-10 Blk. 15, Lots 1-5
Anna Uychak	c/o M. Fischer 1903 Smelter Ave. Black Eagle, Montana 59414	Blk. 4, Lots 18 and 23, 24

BELT AREA
T19N R6E, Sec. 26

<u>Owner</u>	<u>Address</u>	<u>Legal Description</u>
Sam Ballatore	Box 107 Belt, Montana 59412	In SESE MK 7 In NWSE MK 29
Samuel & Mannie Ballatore	Box 107 Belt, Montana 59412	In SWSE MK 19
City of Belt		
George & Violet L. Bestwina	Belt, Montana 59412	In SESW MK D
Gordon W. & Florence E. Black	Box 34 Belt, Montana 59412	In SESE MK 5A
George F. & Paula C. Drga	Rt. 2, Box 1 Belt, Montana 59412	SW/4, In S/2NW Ls 24.88
Edward J. Jr., & Sandra L. Elam	Box 405 Belt, Montana 59412	In NWNE MK 20A
Farmers Union Oil Oil Co. of G. F.	Box 2483 Great Falls, Montana 59403	In NENW MK 28 In NWNE MK 30 In NENW MK 31
Shirl L. & Phyllis Francom	Belt, Montana 59412	In SENE W/Hwy MK 4
Golden Valley Homes Partnership	111 N. 30 St. Billings, Montana 59101	In SWNE MK 23C
Gary E. & Candice J. Gray	Belt, Montana 59412	

BELT AREA
T19N R6E, Sec. 26
(Continued)

<u>Owner</u>	<u>Address</u>	<u>Legal Description</u>
Virgil N. & Viola Hanson	Star Rte. Box 3 Belt, Montana 59412	
Martin A. Johnson Jr.	Box 545 Belt, Montana 59412	In NE/4 MK 5B
Harold & Wilmae Keaster	Box 285 Belt, Montana 59412	NWNW, W/2NENW, In S/2NW N/HWY
Russell E. & Elnora M. Keller	Box 484 Belt, Montana 59412	In SWNE MK 23A
Jerry L. & Linda N. Kjelsrud	Belt, Montana 59412	In NENW MK 8B
Beatrice M. MacLeod	c/o L. O'Brien 514 4 St. N. Great Falls, Montana 59401	In E/2SW/4 MK E
Kenneth L. & Bobbin K. Maki	General Delivery Belt, Montana 59412	In SENW MK B
Josephine, Robert M. & James E. Milos	Box 142 Belt, Montana 59412	In E/2NE & NESE E/RD
Mary Mital	Belt, Montana 59412	In SENW MK 13
Montana Power Co.		
State of Montana		

BELT AREA
T19N R6E, Sec. 26
(Continued)

<u>Owner</u>	<u>Address</u>	<u>Legal Description</u>
W. H. Joseph Morris	Box 181 Belt, Montana 59412	In NWNE MK 8D
Mountain States Tel. & Tel. Co.		
Torlv Olson	Belt, Montana 59412	In SENE MK 10
Norman L. & Judy L. Poppe	Box 75 Belt, Montana 59412	In SENW MK A
Melvin W. & Bonita A. Rennick	Belt, Montana 59412	In E/2NE MK 5D
School District #29		
Potter Stanton Trustee & Ruth Doyle	2954 S. Boston Place Tulsa, Oklahoma 74114	In SWSE MK 9
Eva E. Stober et al	Box 331 Belt, Montana 59412	In SWNE MK 23B
David C. & Judy Stroop	Belt, Montana 59412	In NENW MK 8C In NWNE & NENW MK 20
Edward Talvi	Star Rte., Box 1 Belt, Montana 59412	In NWSE MK 5C
Harry & Vicki M. Throckmorton	Box 441 Belt, Montana 59412	In NENW MK 8E

BELT AREA
T19N R6E, Sec. 26
(Continued)

<u>Owner</u>	<u>Address</u>	<u>Legal Description</u>
Clara Warehime et al	Box 281 Belt, Montana 59412	In S/2NW Ls 11.44
Bert B. Williamson et al	Box 212 Belt, Montana 59412	In SENE MK 4A
Raymond & Margaret Williams	Belt, Montana 59412	In NESW & NWSE MK 12
Edward M. & Aimee L. Wood	Box 273 Belt, Montana 59412	In NWNE MK 16

BELT AREA
T19N R6E, Sec. 36

<u>Owner</u>	<u>Address</u>	<u>Legal Description</u>
Wayne F. & Marcia L. Anderson	Box 264 Belt, Montana 59412	In SESW MK 5A
Dennis & Trudy Arndt	Belt, Montana 59412	In NESE MK 9C
Steve & Linda Assels	Star Rte. Belt, Montana 59412	In NESE MK 9F
Myron Bell	Star Rte. Belt, Montana 59412	SESW Ls 4.76
Myron & Vivian Bell	Star Rte. Belt, Montana 59412	In SENW, NESW SW/RR Ls 12.82 In SWSE MK 14 In SWNW by M & B MK 15 In SWNW by M & B MK 15A
Edith M. Blain	Star Rte., Box 4 Belt, Montana 59412	In NENW by M & B MK F
Forrest & Edna Bough	Box 164 Belt, Montana 59412	In E/2NW MK H
Phyllis E. & Ethel E. Crane	3208 11 Av. S., #45 Great Falls, Montana 59405	In NENW by M & B MK B
John & Shirley Fellman	Box 399 Belt, Montana 59412	In NESE MK 9D
Opel G. Goodman	Star Rte., Box 30 Belt, Montana 59412	W/2SW

BELT AREA
T19N R6E, Sec. 36
 (Continued)

<u>Owner</u>	<u>Address</u>	<u>Legal Description</u>
Roy E. & Joyce E. Goodman	Star Rte., Box 24 Belt, Montana 59412	In NESE MK D
G. F. Power Co.		
Virgil N. & Viola H. Hanson	Star Rte., Box 3 Belt, Montana 59412	Belt Misc. MK G In N/2NW MK E
Gerald R. & Linda L. Heggem	Belt, Montana 59412	N/2SESE E/HWY In N/2NESESE MK 12 S/2SESE E/HWY
William R. & Betty J. Heilig	Box 32B Belt, Montana 59412	In SESW MK 5D
Mary E. Kunkel	Star Rte. Belt, Montana 59412	In NESE MK 9E
Oliver W. & Audrey S. Larson	Box 452 Belt, Montana 59412	In NESE MK 9B In SESE MK 14A
Dean A. Locke	2097 Washington St. Billings, Montana 59101	In SESW MK 5C
Robert M. & James E. Milo	Belt, Montana 59412	NWNE
Shirley Murphy	Box 144 Belt, Montana 59412	

BELT AREA
T19N R6E, Sec. 36
 (Continued)

<u>Owner</u>	<u>Address</u>	<u>Legal Description</u>
William L. & Clara V. Murphy	2020 Sunrise Billings, Montana 59101	In NWSE S/RR MK 10AB
Susan W. O'Leary	Star Rte., 33A Belt, Montana 59412	In SESE MK 7C
Patrick E. & Iola A. Pierson	Star Rte., Box 32 Belt, Montana 59412	In SESW MK 5B
Clinton R. Pilgeram	Box 67 East Glacier Park, Montana 59434	E/2NE, In SENW, SWNE, NWSE In SWNE By M & B MK 13
Mack L. & Jean G. Savage	Star Rte. Belt, Montana 59412	In NESE MK 9A
W. C. & Theola Sederholm	1401 1st St. Great Falls, Montana 59405	In N/2NW, SWNW Ls2
Edward W. & Majorie L. Spragg	P.O. Box 29 Belt, Montana 59412	In S/2SWSE, S/2SWSESE
Mildred Thompson	Belt, Montana 59412	In NENW MK A & C
Martin R. Vigen	Star Rte. Belt, Montana 59412	In NWSE S/RR MK 10A
James L., Jr. & Marilyn Wakeford	Star Rte. Belt, Montana 59412	In NESE MK 9G

C. Belt area resident questionnaires

Best ✓

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1) Are you:

- a. A farmer/rancher? yes
- b. A homeowner? yes
- c. A landowner? yes

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	_____	<u>X</u>	_____
b. Surface water quality	_____	<u>X</u>	_____
c. Subsurface water quality	_____	<u>X</u>	_____
d. Wildlife numbers	_____	_____	_____
e. Vegetation growth	_____	_____	_____
f. Aesthetics, view	_____	_____	_____
g. Land sinkage	_____	<u>X</u>	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes yes No _____

4) Do you own the mineral rights beneath your property?
Yes, 100% 50% Yes, Partially _____ Don't know _____
No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No _____
Yes yes:

		How Much Area?
a. Air quality	_____	_____
b. Surface water quality	<u>X</u>	_____
c. Subsurface water quality	<u>X</u>	_____
d. Wildlife numbers	_____	_____
e. Vegetation growth	_____	_____
f. Aesthetics, view	_____	_____
g. Land sinkage	<u>X</u>	_____
h. Other, (Specify)	_____	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No no
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-----------|-------|
| a. Reduced crop yield | <u>no</u> | _____ |
| b. Reduced livestock yield | <u>no</u> | _____ |
| c. Reduced land value | <u>no</u> | _____ |
| d. Reduced home value | <u>no</u> | _____ |
| e. Personal Health or safety | <u>no</u> | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off yes
b. Worse off _____
c. About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|------------|-------|
| a. Plugging the mine openings | _____ | _____ |
| b. Removing the mine waste piles | <u>no</u> | _____ |
| c. Treating the water to clear the streams | <u>yes</u> | _____ |
| d. Drilling wells to stop or reduce water flows | <u>yes</u> | _____ |
| e. Reseeding after cleanup of waste piles | _____ | _____ |
| f. Using the waste piles on roads | _____ | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes yes
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

I think the old mines would make
perfect Bomb shelters and not cost
to much. I cant understand why
Great Falls officials and People dont
do this - as it is we have absolutely
nothing

Your Name: _____

John P Brutsky, Helens Husband

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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? _____ ☒
- c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	_____	<input checked="" type="checkbox"/>	_____
b. Surface water quality	_____	_____	<input checked="" type="checkbox"/>
c. Subsurface water quality	_____	<input checked="" type="checkbox"/>	_____
d. Wildlife numbers	_____	<input checked="" type="checkbox"/>	_____
e. Vegetation growth	_____	_____	<input checked="" type="checkbox"/>
f. Aesthetics, view	_____	<input checked="" type="checkbox"/>	_____
g. Land sinkage	<input checked="" type="checkbox"/>	_____	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes ☒ No _____

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially 3 Don't know _____
 No ☒ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No _____
 Yes ☒:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify)	_____

Have Removed MOST COAL FROM PROPERTY

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒ *NOT Really*
Yes _____:

About How _____
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) _____ | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same ☒

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------------------------------------|-------------------------------------|
| a. Plugging the mine openings | <input checked="" type="checkbox"/> | _____ |
| b. Removing the mine waste piles | _____ | <input checked="" type="checkbox"/> |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | _____ |
| d. Drilling wells to stop or reduce water flows | <input checked="" type="checkbox"/> | _____ |
| e. Reseeding after cleanup of waste piles | <input checked="" type="checkbox"/> | _____ |
| f. Using the waste piles on roads | <input checked="" type="checkbox"/> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
b. No ☒

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

MINE WATER HAS BOLT CREEK RED & Yellow in places. In some areas RECLAMATION WOULD BE A WASTE OF MONEY. OTHER PLACES A COMPLETE NECESSITY.

Your Name: *Maureen Johnson*

T.A.P. Inc., a Bozeman based research firm, is assisting the Montana Department of State Lands in examining impacts and possible reclamation of abandoned coal mines in your locality. Your cooperation and input by answering this short survey will help us learn how local property owners feel about these mines.

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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? ✓ _____
- c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	_____	_____	<u>✓</u>
b. Surface water quality	_____	_____	<u>✓</u>
c. Subsurface water quality	_____	_____	_____ ?
d. Wildlife numbers	_____	<u>✓</u>	_____
e. Vegetation growth	_____	_____	<u>✓</u>
f. Aesthetics, view	_____	<u>✓</u>	_____
g. Land sinkage	_____	_____	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes ✓ No _____

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____
 No ✓ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No _____
 Yes ✓:

	How Much Area?
a. Air quality	_____
b. Surface water quality	<u>✓</u> _____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	<u>✓</u> _____
f. Aesthetics, view	<u>✓</u> _____
g. Land sinkage	<u>✓</u> _____
h. Other, (Specify)	_____
<u>UNSAFC</u>	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No _____
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|----------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | <u>✓</u> | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same ✓

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|-------|
| a. Plugging the mine openings | <u>✓</u> | _____ |
| b. Removing the mine waste piles | <u>✓</u> | _____ |
| c. Treating the water to clear the streams | <u>✓</u> | _____ |
| d. Drilling wells to stop or reduce water flows | <u>✓</u> | _____ |
| e. Reseeding after cleanup of waste piles | <u>✓</u> | _____ |
| f. Using the waste piles on roads | _____ | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes ✓
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

I NOW HAVE A SMALL CONTRACT
with state Land dept. to clean
up a mine in the AREA. The water
flowing on to my property is so bad
A science class from Great Falls uses it for
testing.

Your Name: Mal W. Rennick

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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? _____
- c. A landowner?

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	<u> ✓ </u>	<u> </u>	<u> </u>
b. Surface water quality	<u> </u>	<u> ✓ </u>	<u> </u>
c. Subsurface water quality	<u> </u>	<u> </u>	<u> ✓ </u>
d. Wildlife numbers	<u> </u>	<u> </u>	<u> </u>
e. Vegetation growth	<u> </u>	<u> </u>	<u> </u>
f. Aesthetics, view	<u> </u>	<u> </u>	<u> </u>
g. Land sinkage	<u> </u>	<u> </u>	<u> </u>
h. Other (specify)	<u> </u>	<u> </u>	<u> </u>

3) Is there a mine site on your property? Yes ✓ No

4) Do you own the mineral rights beneath your property?

Yes, 100% Yes, Partially Don't know
 No ✓ The owner is A.C.M.

5) Has any of your property been effected by any pollution from abandoned mines?

No
 Yes ✓ :

	How Much Area?
a. Air quality	<u> </u>
b. Surface water quality	<u> 2 acres </u>
c. Subsurface water quality	<u> " </u>
d. Wildlife numbers	<u> </u>
e. Vegetation growth	<u> </u>
f. Aesthetics, view	<u> </u>
g. Land sinkage	<u> </u>
h. Other, (Specify)	<u> </u>

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No _____
Yes ✓:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|----------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |
| <u>Loss of well</u> | _____ | <u>2</u> |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same ✓

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|-------|
| a. Plugging the mine openings | <u>✓</u> | _____ |
| b. Removing the mine waste piles | <u>✓</u> | _____ |
| c. Treating the water to clear the streams | <u>✓</u> | _____ |
| d. Drilling wells to stop or reduce water flows | <u>✓</u> | _____ |
| e. Reseeding after cleanup of waste piles | <u>✓</u> | _____ |
| f. Using the waste piles on roads | <u>✓</u> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
b. No ✓

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name: Clara Warehime

Beit

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1) Are you:

- a. A farmer/rancher? ✓
- b. A homeowner?
- c. A landowner?

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	<u> </u>	<u> </u>	<u> </u>
b. Surface water quality	<u> </u>	<u> </u>	<u>✓</u>
c. Subsurface water quality	<u> </u>	<u> </u>	<u>✓</u>
d. Wildlife numbers	<u> </u>	<u> </u>	<u> </u>
e. Vegetation growth	<u> </u>	<u> </u>	<u> </u>
f. Aesthetics, view	<u> </u>	<u> </u>	<u> </u>
g. Land sinkage	<u> </u>	<u> </u>	<u> </u>
h. Other (specify)	<u> </u>	<u> </u>	<u> </u>

3) Is there a mine site on your property? Yes ✓ No

4) Do you own the mineral rights beneath your property?

Yes, 100% Yes, Partially Don't know
No ✓ The owner is ACM

5) Has any of your property been effected by any pollution from abandoned mines?

No
Yes ✓:

		How Much Area?
a. Air quality	<u> </u>	<u> </u>
b. Surface water quality	<u>✓</u>	<u>?</u>
c. Subsurface water quality	<u>✓</u>	<u>?</u>
d. Wildlife numbers	<u> </u>	<u> </u>
e. Vegetation growth	<u> </u>	<u> </u>
f. Aesthetics, view	<u> </u>	<u> </u>
g. Land sinkage	<u> </u>	<u> </u>
h. Other, (Specify)	<u> </u>	<u> </u>

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No _____
Yes ✓ _____:

About How _____
Many Annual Dollars?

- | | | |
|------------------------------|----------|----------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |
| <u>loss of Well</u> | <u>✓</u> | <u>?</u> |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off ✓
b. Worse off _____
c. About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|----------|
| a. Plugging the mine openings | <u>✓</u> | _____ |
| b. Removing the mine waste piles | <u>✓</u> | _____ |
| c. Treating the water to clear the streams | <u>✓</u> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | <u>✓</u> |
| e. Reseeding after cleanup of waste piles | <u>✓</u> | _____ |
| f. Using the waste piles on roads | <u>✓</u> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes ✓
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name: James Warehime

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1) Are you:

- a. A farmer/rancher? ☒
 b. A homeowner? ☐
 c. A landowner? ☐

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Surface water quality	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c. Subsurface water quality	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. Wildlife numbers	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. Vegetation growth	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f. Aesthetics, view	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
g. Land sinkage	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
h. Other (specify) , <i>General nuisance and expense</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

3) Is there a mine site on your property? Yes ☒ No ☐

4) Do you own the mineral rights beneath your property?

Yes, 100% ☐ Yes, Partially ☒ Don't know ☐
 No ☐ The owner is

5) Has any of your property been effected by any pollution from abandoned mines?

No ☐
 Yes ☒:

- a. Air quality ☐
 b. Surface water quality ☒
 c. Subsurface water quality ☐
 d. Wildlife numbers ☐
 e. Vegetation growth ☒
 f. Aesthetics, view ☒
 g. Land sinkage ☒
 h. Other, (Specify) ☐

How Much Area?

mine area
mine area
" "
area of mine tunnels

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

~~No~~
Yes ✓:

About How
Many Annual Dollars?

- | | | |
|------------------------------|----------|----------------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | <u>✓</u> | <u>unknown</u> |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same ✓

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|---------------------|
| a. Plugging the mine openings | <u>✓</u> | _____ |
| b. Removing the mine waste piles | <u>✓</u> | _____ |
| c. Treating the water to clear the streams | <u>✓</u> | _____ |
| d. Drilling wells to stop or reduce water flows | <u>✓</u> | _____ |
| e. Reseeding after cleanup of waste piles | <u>✓</u> | _____ |
| f. Using the waste piles on roads | <u>✓</u> | _____ |
| g. Other, (Specify) | _____ | <u>if practical</u> |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes ✓
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

I would like to see the work
started and finished without a lot of
unnecessary fooling around and money
spending, which is about what is going
to happen - It is going on 2 yrs since
the project was first started and nothing
Your Name: has been done to this date

James Miller, 12/24/81

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1) Are you:

- a. A farmer/rancher? _____
 b. A homeowner? ✓ _____
 c. A landowner? ✓ _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	<u>✓</u>	_____	_____
b. Surface water quality	_____	_____	<u>✓</u>
c. Subsurface water quality	_____	_____	<u>✓</u>
d. Wildlife numbers	_____	<u>✓</u>	_____
e. Vegetation growth	_____	_____	<u>✓</u>
f. Aesthetics, view	_____	_____	<u>✓</u>
g. Land sinkage	_____	<u>✓</u>	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____
 No ✓ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓
 Yes _____:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify)	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ✓
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same ✓

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|-------|
| a. Plugging the mine openings | <u>✓</u> | _____ |
| b. Removing the mine waste piles | <u>✓</u> | _____ |
| c. Treating the water to clear the streams | <u>✓</u> | _____ |
| d. Drilling wells to stop or reduce water flows | <u>✓</u> | _____ |
| e. Reseeding after cleanup of waste piles | <u>✓</u> | _____ |
| f. Using the waste piles on roads | <u>✓</u> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes ✓
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name: _____

Great Falls
 ✓ Put in Belt

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1) Are you:

- a. A farmer/rancher? ☒
- b. A homeowner? ☒
- c. A landowner? ☐

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Surface water quality	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. Subsurface water quality	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. Wildlife numbers	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. Vegetation growth	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f. Aesthetics, view	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g. Land sinkage	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
h. Other (specify)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No ☒

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know ☒
 No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ☒
 Yes _____:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify)	_____
_____	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off ☒
b. Worse off _____
c. About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------------------------------------|-------|
| a. Plugging the mine openings | <input checked="" type="checkbox"/> | _____ |
| b. Removing the mine waste piles | <input checked="" type="checkbox"/> | _____ |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | _____ |
| d. Drilling wells to stop or reduce water flows | <input checked="" type="checkbox"/> | _____ |
| e. Reseeding after cleanup of waste piles | <input checked="" type="checkbox"/> | _____ |
| f. Using the waste piles on roads | <input checked="" type="checkbox"/> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes ☒
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name: _____



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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? ✓
- c. A landowner? ✓

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	_____	<u>X</u>	_____
b. Surface water quality	_____	_____	<u>X</u>
c. Subsurface water quality	_____	_____	<u>X</u>
d. Wildlife numbers	_____	<u>X</u>	_____
e. Vegetation growth	_____	<u>X</u>	_____
f. Aesthetics, view	_____	_____	<u>X</u>
g. Land sinkage	_____	<u>X</u>	_____
h. Other (specify)	<u>X</u>	_____	_____

3) Is there a mine site on your property? Yes _____ No X

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____
 No X The owner is ACM COMPANY

5) Has any of your property been effected by any pollution from abandoned mines?

No _____
 Yes X:

- a. Air quality X
- b. Surface water quality _____
- c. Subsurface water quality X
- d. Wildlife numbers _____
- e. Vegetation growth _____
- f. Aesthetics, view X
- g. Land sinkage _____
- h. Other, (Specify) _____

How Much Area?

SMALL AMOUNT

Sig. 11

SMALL

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No _____
Yes X :

About How
Many Annual Dollars?

- a. Reduced crop yield _____
b. Reduced livestock yield _____
c. Reduced land value X _____
d. Reduced home value X _____
e. Personal Health or safety _____
f. Other, (Specify) _____

UNKNOWN
" _____

UNABLE TO DRILL WATER WELL ON OUR PROPERTY

because of mine water seepage, we had the expense of piping our water 800 feet plus a monthly water bill of \$8.50

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same X

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|----------|
| a. Plugging the mine openings | <u>X</u> | _____ |
| b. Removing the mine waste piles | _____ | <u>X</u> |
| c. Treating the water to clear the streams | <u>X</u> | _____ |
| d. Drilling wells to stop or reduce water flows | <u>X</u> | _____ |
| e. Reseeding after cleanup of waste piles | <u>X</u> | _____ |
| f. Using the waste piles on roads | <u>X</u> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

NEED THEM FOR SENDING

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name:

Frank A. Ballatore

BCIT (no front page returned)
1/23/81 ✓

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No _____
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------|-------|
| a. Plugging the mine openings | _____ | _____ |
| b. Removing the mine waste piles | _____ | _____ |
| c. Treating the water to clear the streams | _____ | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | _____ | _____ |
| f. Using the waste piles on roads | _____ | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

I don't fill out questionnaires to vague firms for vague reasons
but in general I can't get excited about coal mining in this area
and would seek any state, federal or environmental agencies
aid in resisting mining in proximity to my home

Your Name: Mike Skerry

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1) Are you:

- a. A farmer/rancher? YES
 b. A homeowner? YES
 c. A landowner? YES

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	<u>✓</u>		
b. Surface water quality			<u>✓</u>
c. Subsurface water quality		<u>✓</u>	
d. Wildlife numbers	<u>✓</u>		
e. Vegetation growth		<u>✓</u>	
f. Aesthetics, view			<u>✓</u>
g. Land sinkage			
h. Other (specify)			

3) Is there a mine site on your property? Yes _____ No X
 NEXT TO IT.

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know X
 No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No _____
 Yes X:

- a. Air quality _____
 b. Surface water quality ✓
 c. Subsurface water quality ✓
 d. Wildlife numbers _____
 e. Vegetation growth _____
 f. Aesthetics, view _____
 g. Land sinkage _____
 h. Other, (Specify) _____

How Much Area?

BELT CREEK } BAD
BELT CREEK } AT TIMES

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No _____
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off ☒ _____
b. Worse off _____
c. About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|---|-------|
| a. Plugging the mine openings | <input checked="" type="checkbox"/> _____ | _____ |
| b. Removing the mine waste piles | <input checked="" type="checkbox"/> _____ | _____ |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> _____ | _____ |
| d. Drilling wells to stop or reduce water flows | <input checked="" type="checkbox"/> _____ | _____ |
| e. Reseeding after cleanup of waste piles | <input checked="" type="checkbox"/> _____ | _____ |
| f. Using the waste piles on roads | <input checked="" type="checkbox"/> _____ | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes ☒ _____
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

MADE PHONE CALLS TO HELENA "AIR-WATER QUALITY
BUREAU" ON BELT CREEK STREAM POLLUTION FROM
ABANDONED COAL MINES. THEY NEVER CALL
BACK OR WRITE BACK. IF IT WASN'T FOR
THE SPRING RUN OFF, BELT CREEK BELOW
THE TOWN OF BELT, WOULD BE ONE OF THE
WORST POLLUTED STREAM IN MONTANA!

Your Name: _____

LEO M. HERTZ *Leo M. Hertz*

Belt ✓

1) Are you:

- a. A farmer/rancher? Lease it out
- b. A homeowner? yes
- c. A landowner? yes

	None	Small Amount	Significant Amount
a. Air quality		✓	
b. Surface water quality			✓
c. Subsurface water quality			✓
d. Wildlife numbers		✓	
e. Vegetation growth		✓	
f. Aesthetics, view			✓
g. Land sinkage			✓
h. Other (specify)			

3) Is there a mine site on your property? Yes No ☒

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know ✓
No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ☒

Yes _____ :

How Much Area?

- | | | | |
|----|--------------------------|-------|-------|
| a. | Air quality | _____ | _____ |
| b. | Surface water quality | _____ | _____ |
| c. | Subsurface water quality | _____ | _____ |
| d. | Wildlife numbers | _____ | _____ |
| e. | Vegetation growth | _____ | _____ |
| f. | Aesthetics, view | _____ | _____ |
| g. | Land sinkage | _____ | _____ |
| h. | Other, (Specify) | _____ | _____ |

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

a. Better off ☒
b. Worse off _____
c. About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done? *Should be shared by owners*

	Yes	No
a. Plugging the mine openings	<input checked="" type="checkbox"/>	_____
b. Removing the mine waste piles	<input checked="" type="checkbox"/>	_____
c. Treating the water to clear the streams	<input checked="" type="checkbox"/>	_____
d. Drilling wells to stop or reduce water flows	<input checked="" type="checkbox"/>	_____
e. Reseeding after cleanup of waste piles	<input checked="" type="checkbox"/>	_____
f. Using the waste piles on roads	<input checked="" type="checkbox"/>	_____
g. Other, (Specify) _____	_____	_____

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

a. Yes ☒
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name:

Edna R. Urick

B01325 (Pony is no longer living)

BCH

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1) Are you:

- a. A farmer/rancher? _____
b. A homeowner? ✓ _____
c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	_____	<u>✓</u> _____	_____
b. Surface water quality	_____	_____	<u>✓</u> _____
c. Subsurface water quality	_____	<u>✓</u> _____	_____
d. Wildlife numbers	_____	_____	_____
e. Vegetation growth	_____	<u>✓</u> _____	_____
f. Aesthetics, view	_____	_____	<u>✓</u> _____
g. Land sinkage	_____	_____	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No ✓ _____

4) Do you own the mineral rights beneath your property?
Yes, 100% _____ Yes, Partially _____ Don't know ✓ _____
No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓ _____
Yes _____:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify)	_____

6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off ☒
b. Worse off _____
c. About the Same _____

8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------------------------------------|-------|
| a. Plugging the mine openings | <input checked="" type="checkbox"/> | _____ |
| b. Removing the mine waste piles | <input checked="" type="checkbox"/> | _____ |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | _____ |
| d. Drilling wells to stop or reduce water flows | <input checked="" type="checkbox"/> | _____ |
| e. Reseeding after cleanup of waste piles | <input checked="" type="checkbox"/> | _____ |
| f. Using the waste piles on roads | <input checked="" type="checkbox"/> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes ☒
b. No _____

10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

In response to #8: I believe that the Gov't. has responsibility to see that the rights of people are protected. Free Enterprise can do a better job of controlling a project. Everything in #8 should be the responsibility of a private contractor.

Your Name: _____

Dennis J. Gentry

Concerning Belt Creek, Montana area

Vaughn, MT

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1) Are you:

- a. A farmer/rancher? X
- b. A homeowner?
- c. A landowner? X

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	<u>X</u>	<u> </u>	<u> </u>
b. Surface water quality	<u> </u>	<u>X</u>	<u> </u>
c. Subsurface water quality	<u> </u>	<u>X</u>	<u> </u>
d. Wildlife numbers	<u>X</u>	<u> </u>	<u> </u>
e. Vegetation growth	<u>X</u>	<u> </u>	<u> </u>
f. Aesthetics, view	<u>X</u>	<u> </u>	<u> </u>
g. Land sinkage	<u>X</u>	<u> </u>	<u> </u>
h. Other (specify)	<u> </u>	<u> </u>	<u> </u>

3) Is there a mine site on your property? Yes No X

4) Do you own the mineral rights beneath your property?

Yes, 100% X Yes, Partially Don't know
No The owner is

5) Has any of your property been effected by any pollution from abandoned mines?

No X
Yes :

	How Much Area?
a. Air quality	<u> </u>
b. Surface water quality	<u> </u>
c. Subsurface water quality	<u> </u>
d. Wildlife numbers	<u> </u>
e. Vegetation growth	<u> </u>
f. Aesthetics, view	<u> </u>
g. Land sinkage	<u> </u>
h. Other, (Specify)	<u> </u>

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same X

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------|-------|
| a. Plugging the mine openings | _____ | _____ |
| b. Removing the mine waste piles | _____ | _____ |
| c. Treating the water to clear the streams | _____ | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | _____ | _____ |
| f. Using the waste piles on roads | _____ | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name: _____

J. G. Sahlgenmuth

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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? HOMEOWNER
- c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	_____	_____	_____
b. Surface water quality	_____	_____	<u>X</u>
c. Subsurface water quality	_____	_____	<u>X</u>
d. Wildlife numbers	_____	<u>X</u>	_____
e. Vegetation growth	_____	_____	<u>X</u>
f. Aesthetics, view	_____	_____	<u>X</u>
g. Land sinkage	_____	_____	<u>X</u>
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No X

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know ✓
 No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No _____
 Yes _____:

		How Much Area?
a. Air quality	_____	_____
b. Surface water quality	<u>✓</u>	_____
c. Subsurface water quality	<u>✓</u>	_____
d. Wildlife numbers	<u>✓</u>	_____
e. Vegetation growth	<u>✓</u>	_____
f. Aesthetics, view	<u>✓</u>	_____
g. Land sinkage	_____	_____
h. Other, (Specify)	_____	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same ✓

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|-------|
| a. Plugging the mine openings | <u>✓</u> | _____ |
| b. Removing the mine waste piles | <u>✓</u> | _____ |
| c. Treating the water to clear the streams | <u>✓</u> | _____ |
| d. Drilling wells to stop or reduce water flows | <u>✓</u> | _____ |
| e. Reseeding after cleanup of waste piles | <u>✓</u> | _____ |
| f. Using the waste piles on roads | <u>✓</u> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name: Box 374

Belt, MT 59412

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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? ✓
- c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	_____	<u>✓</u>	_____
b. Surface water quality	_____	_____	<u>✓</u>
c. Subsurface water quality	_____	_____	<u>✓</u>
d. Wildlife numbers	_____	<u>✓</u>	_____
e. Vegetation growth	_____	_____	<u>✓</u>
f. Aesthetics, view	_____	_____	<u>✓</u>
g. Land sinkage	_____	<u>✓</u>	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know ✓

No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓

Yes _____:

		How Much Area?
a. Air quality	_____	_____
b. Surface water quality	_____	_____
c. Subsurface water quality	_____	_____
d. Wildlife numbers	_____	_____
e. Vegetation growth	_____	_____
f. Aesthetics, view	_____	_____
g. Land sinkage	_____	_____
h. Other, (Specify)	_____	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒

Yes ☐

About How
Many Annual Dollars?

- a. Reduced crop yield _____
b. Reduced livestock yield _____
c. Reduced land value _____
d. Reduced home value _____
e. Personal Health or safety _____
f. Other, (Specify) _____

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same ☒

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------------------------------------|--------------------------|
| a. Plugging the mine openings | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| b. Removing the mine waste piles | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| d. Drilling wells to stop or reduce water flows | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| e. Reseeding after cleanup of waste piles | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| f. Using the waste piles on roads | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| g. Other, (Specify) _____ | <input type="checkbox"/> | <input type="checkbox"/> |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes ☒
b. No ☐

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

My major point of concern is the safety of children playing in the area of abandoned mines.

Your Name:

Karel Carlson

Bell ✓

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1) Are you:

- a. A farmer/rancher? _____
b. A homeowner? ☒ _____
c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	<input checked="" type="checkbox"/>	_____	_____
b. Surface water quality	_____	<input checked="" type="checkbox"/>	_____
c. Subsurface water quality	_____	<input checked="" type="checkbox"/>	_____
d. Wildlife numbers	<input checked="" type="checkbox"/>	_____	_____
e. Vegetation growth	<input checked="" type="checkbox"/>	_____	_____
f. Aesthetics, view	_____	_____	<input checked="" type="checkbox"/>
g. Land sinkage	<input checked="" type="checkbox"/>	_____	_____
h. Other (specify) _____	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No ☒

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know ☒
No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ☒
Yes _____:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify) _____	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes _____:

About How _____
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

a. Better off ☒
b. Worse off _____
c. About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

	Yes	No
a. Plugging the mine openings	<input checked="" type="checkbox"/>	_____
b. Removing the mine waste piles	<input checked="" type="checkbox"/>	_____
c. Treating the water to clear the streams	<input checked="" type="checkbox"/>	_____
d. Drilling wells to stop or reduce water flows	<input checked="" type="checkbox"/>	_____
e. Reseeding after cleanup of waste piles	<input checked="" type="checkbox"/>	_____
f. Using the waste piles on roads	<input checked="" type="checkbox"/>	_____
g. Other, (Specify) _____	_____	_____

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

a. Yes _____
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name: Mrs. Oliver W. Laren

Great Falls

• • •

-

<u>S. g. n. b. i. cat</u>	<u>Amount</u>
"	"

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------------------------------------|-------|
| a. Plugging the mine openings | <input checked="" type="checkbox"/> | _____ |
| b. Removing the mine waste piles | <input checked="" type="checkbox"/> | _____ |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | _____ |
| d. Drilling wells to stop or reduce water flows | <input checked="" type="checkbox"/> | _____ |
| e. Reseeding after cleanup of waste piles | <input checked="" type="checkbox"/> | _____ |
| f. Using the waste piles on roads | <input checked="" type="checkbox"/> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes ☒
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Something should be done
Belt Creek is clear before entering Belt
and appears to be clear a couple
of mile down stream. The creek
in town is a eyesore to the eye

Your Name: _____

Michael DeHaven

Concerning Belt Creek, Montana area

Tricities, WA



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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? _____
- c. A landowner? ✓

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	_____	_____	_____
b. Surface water quality	_____	_____	_____
c. Subsurface water quality	_____	_____	_____
d. Wildlife numbers	_____	_____	_____
e. Vegetation growth	_____	_____	_____
f. Aesthetics, view	_____	_____	_____
g. Land sinkage	_____	_____	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____
No ✓ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No _____
Yes _____:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify)	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No _____
Yes _____:

About How _____
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------|-------|
| a. Plugging the mine openings | _____ | _____ |
| b. Removing the mine waste piles | _____ | _____ |
| c. Treating the water to clear the streams | _____ | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | _____ | _____ |
| f. Using the waste piles on roads | _____ | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

*We are Washington State residents
so unable to answer most of the questions.
It has been several years since we
have been to Montana.*

Your Name: _____

Joan Mace

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1) Are you:

- a. A farmer/rancher? ☒
 b. A homeowner? ☒
 c. A landowner? ☒

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	<u> </u>	<input checked="" type="checkbox"/> <u> </u>	<u> </u>
b. Surface water quality	<u> </u>	<input checked="" type="checkbox"/> <u> </u>	<u> </u>
c. Subsurface water quality	<u> </u>	<u> </u>	<input checked="" type="checkbox"/> <u> </u>
d. Wildlife numbers	<input checked="" type="checkbox"/> <u> </u>	<input checked="" type="checkbox"/> <u> </u>	<u> </u>
e. Vegetation growth	<u> </u>	<input checked="" type="checkbox"/> <u> </u>	<u> </u>
f. Aesthetics, view	<u> </u>	<u> </u>	<input checked="" type="checkbox"/> <u> </u>
g. Land sinkage	<u> </u>	<input checked="" type="checkbox"/> <u> </u>	<u> </u>
h. Other (specify)	<u> </u>	<u> </u>	<u> </u>

3) Is there a mine site on your property? Yes No ☒

4) Do you own the mineral rights beneath your property?
 Yes, 100% farm Yes, Partially Don't know residence near town
 No The owner is

5) Has any of your property been effected by any pollution from abandoned mines?

No ☒
 Yes :

- a. Air quality
 b. Surface water quality ☒
 c. Subsurface water quality
 d. Wildlife numbers
 e. Vegetation growth
 f. Aesthetics, view ☒
 g. Land sinkage
 h. Other, (Specify)

How Much Area?

adjacent to residence

near residence

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒ _____
Yes ☐ _____

About How _____
Many Annual Dollars?

- | | | |
|------------------------------|------------------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | ? <i>perhaps</i> | ? |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. ☒ About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------------------------------------|-------|
| a. Plugging the mine openings | <input checked="" type="checkbox"/> | _____ |
| b. Removing the mine waste piles | <input checked="" type="checkbox"/> | _____ |
| c. Treating the water to clear the streams | _____ | ? |
| d. Drilling wells to stop or reduce water flows | _____ | ? |
| e. Reseeding after cleanup of waste piles | <input checked="" type="checkbox"/> | _____ |
| f. Using the waste piles on roads | <input checked="" type="checkbox"/> | ? |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes ☒ _____
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

I believe there is much talk, but very little understanding. This is a specialized area of knowledge - I believe the "right" answers are known. I don't know them, but am interested in learning more, because the problem has been quite severe in the past and could surface again. Surface water quality appeared worse years ago than at the present.

Your Name Linneth L. Maki

Concerning Belt Creek, Montana area

Terry, Mr ✓

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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? _____
- c. A landowner? X _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	<u>X</u>		
b. Surface water quality		<u>X</u>	
c. Subsurface water quality	<u>X</u>		
d. Wildlife numbers	<u>X</u>		
e. Vegetation growth		<u>X</u>	
f. Aesthetics, view		<u>X</u>	
g. Land sinkage	<u>X</u>		
h. Other (specify)	<u>X</u>		

3) Is there a mine site on your property? Yes X No _____

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially X Don't know _____
No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No _____
Yes X:

		How Much Area?
a. Air quality	_____	_____
b. Surface water quality	_____	_____
c. Subsurface water quality	_____	_____
d. Wildlife numbers	_____	_____
e. Vegetation growth	_____	_____
f. Aesthetics, view	<u>X</u>	<u>5 AC</u>
g. Land sinkage	_____	_____
h. Other, (Specify)	_____	_____

6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes _____:

About How
Many Annual Dollars?

a. Reduced crop yield	_____	_____
b. Reduced livestock yield	_____	_____
c. Reduced land value	_____	_____
d. Reduced home value	_____	_____
e. Personal Health or safety	_____	_____
f. Other, (Specify)	_____	_____

7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

a. Better off _____
b. Worse off _____
c. About the Same _____

8) If the project and its cost was government sponsored, would you like to see any of the following done?

	Yes	No
a. Plugging the mine openings	_____	_____
b. Removing the mine waste piles	<u>X</u>	_____
c. Treating the water to clear the streams	_____	_____
d. Drilling wells to stop or reduce water flows	_____	_____
e. Reseeding after cleanup of waste piles	<u>X</u>	_____
f. Using the waste piles on roads	_____	_____
g. Other, (Specify) _____	_____	_____

9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

a. Yes X
b. No _____

10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name:

Don D. Hubler

Concerning Belt Creek, Montana area

Las Vegas, Nevada

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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? _____
- c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	_____	_____	_____
b. Surface water quality	_____	_____	_____
c. Subsurface water quality	_____	_____	_____
d. Wildlife numbers	_____	_____	_____
e. Vegetation growth	_____	_____	_____
f. Aesthetics, view	_____	_____	_____
g. Land sinkage	_____	_____	_____
h. Other (specify)	_____	_____	_____
_____	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No _____

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____
No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No _____
Yes _____:

		How Much Area?
a. Air quality	_____	_____
b. Surface water quality	_____	_____
c. Subsurface water quality	_____	_____
d. Wildlife numbers	_____	_____
e. Vegetation growth	_____	_____
f. Aesthetics, view	_____	_____
g. Land sinkage	_____	_____
h. Other, (Specify)	_____	_____
_____	_____	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No _____
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------|-------|
| a. Plugging the mine openings | _____ | _____ |
| b. Removing the mine waste piles | _____ | _____ |
| c. Treating the water to clear the streams | _____ | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | _____ | _____ |
| f. Using the waste piles on roads | _____ | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

I am not familiar with any of the information necessary to complete the survey. I am only the land owner. My residence is in Nevada

Your Name: _____

Sydney H. Romberg

*321 S. Williams Way
Las Vegas, NV 89110*

Belt

- | | | | |
|----|--------------------------|-------|-------|
| a. | Air quality | _____ | _____ |
| b. | Surface water quality | _____ | _____ |
| c. | Subsurface water quality | _____ | _____ |
| d. | Wildlife numbers | _____ | _____ |
| e. | Vegetation growth | _____ | _____ |
| f. | Aesthetics, view | _____ | _____ |
| g. | Land sinkage | _____ | _____ |
| h. | Other, (Specify) | _____ | _____ |

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes _____:

About How _____
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same ☒

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------------------------------------|-------------------------------------|
| a. Plugging the mine openings | <input checked="" type="checkbox"/> | _____ |
| b. Removing the mine waste piles | _____ | <input checked="" type="checkbox"/> |
| c. Treating the water to clear the streams | _____ | <input checked="" type="checkbox"/> |
| d. Drilling wells to stop or reduce water flows | _____ | <input checked="" type="checkbox"/> |
| e. Reseeding after cleanup of waste piles | _____ | <input checked="" type="checkbox"/> |
| f. Using the waste piles on roads | <input checked="" type="checkbox"/> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

Is being done

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
b. No ☒

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name: _____

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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? ✓
- c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	<u>✓</u>		
b. Surface water quality		<u>✓</u>	
c. Subsurface water quality	<u>✓</u>		
d. Wildlife numbers	<u>✓</u>		
e. Vegetation growth	<u>✓</u>		
f. Aesthetics, view		<u>✓</u>	
g. Land sinkage	<u>✓</u>		
h. Other (specify)			
_____	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____
No ✓ The owner is Government

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓
Yes _____:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify)	_____
_____	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same ☒

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------------------------------------|-------------------------------------|
| a. Plugging the mine openings | _____ | <input checked="" type="checkbox"/> |
| b. Removing the mine waste piles | _____ | <input checked="" type="checkbox"/> |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | <input checked="" type="checkbox"/> |
| e. Reseeding after cleanup of waste piles | <input checked="" type="checkbox"/> | _____ |
| f. Using the waste piles on roads | _____ | <input checked="" type="checkbox"/> |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
b. No ☒

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name:

Fred Simmons Box 25 Elk

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1) Are you:

- a. A farmer/rancher? _____
 b. A homeowner? X
 c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	<u> X </u>	_____	_____
b. Surface water quality	_____	<u> X </u>	_____
c. Subsurface water quality	_____	<u> X </u>	_____
d. Wildlife numbers	<u> X </u>	_____	_____
e. Vegetation growth	<u> X </u>	_____	_____
f. Aesthetics, view	_____	<u> X </u>	_____
g. Land sinkage	<u> X </u>	_____	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No X

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know X
 No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No X
 Yes _____:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify)	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same ?

- 8) If the project and its cost was government sponsored, would you like to see any of the following done? WHO IS THE GOVERNMENT?

NOT 'TIL THEY HAVE THE CASH TO PAY FOR IT

Yes No

- | | | |
|---|-------|-------|
| a. Plugging the mine openings | _____ | _____ |
| b. Removing the mine waste piles | _____ | _____ |
| c. Treating the water to clear the streams | _____ | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | _____ | _____ |
| f. Using the waste piles on roads | _____ | _____ |
| g. Other, (Specify) | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
b. No ?

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

IT WOULD CERTAINLY BE A IMPROVEMENT TO HAVE SUCH SITES

CLEANED UP, HOWEVER, IT SHOULDN'T BE DONE WITH BORROWED

FUNDS. SPENDING FUTURE TAXES IS WHAT IS WRONG WITH OUR

ECONOMY - CHAMPAIGN APPETITES WITH BEER POCKET BOOKS

SPELLS BANKRUPTCY - BIG SPENDERS OF THE OTHER FELLOWS MONEY.

Your Name: _____

Shannon

Belt



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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? X
- c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	_____	<u> X </u>	_____
b. Surface water quality	_____	_____	<u> X </u>
c. Subsurface water quality	_____	_____	<u> X </u>
d. Wildlife numbers	<u> X </u>	_____	<u> X </u>
e. Vegetation growth	_____	<u> X </u>	_____
f. Aesthetics, view	_____	<u> X </u>	_____
g. Land sinkage	_____	<u> X </u>	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No X

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know X
No _____ The owner is D. K. VIGEN

5) Has any of your property been effected by any pollution from abandoned mines?

No X
Yes _____:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify)	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes _____:

About How _____
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off X *cause of lack of work*
c. About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|-------|
| a. Plugging the mine openings | <u>X</u> | _____ |
| b. Removing the mine waste piles | _____ | _____ |
| c. Treating the water to clear the streams | <u>X</u> | _____ |
| d. Drilling wells to stop or reduce water flows | <u>X</u> | _____ |
| e. Reseeding after cleanup of waste piles | <u>X</u> | _____ |
| f. Using the waste piles on roads | <u>X</u> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes X
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

I feel that if there was a definite project to try & clean up the water would make a great improvement on the quality of water for wildlife as for as fish & reduce home repairs on water lines, heaters etc.

Your Name: *Bligen*



Concerning Belt Creek, Montana area

DC/15

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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? ✓
- c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	_____	_____	_____
b. Surface water quality	_____	<u>✓</u>	_____
c. Subsurface water quality	_____	_____	<u>✓</u>
d. Wildlife numbers	_____	_____	_____
e. Vegetation growth	_____	_____	_____
f. Aesthetics, view	_____	<u>✓</u>	_____
g. Land sinkage	_____	_____	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know ✓
No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No _____
Yes ✓:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality <u>✓</u>	<u>Water Well</u>
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify)	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same ☒

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------------------------------------|-------------------------------------|
| a. Plugging the mine openings | <input checked="" type="checkbox"/> | _____ |
| b. Removing the mine waste piles | _____ | <input checked="" type="checkbox"/> |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | <input checked="" type="checkbox"/> | _____ |
| f. Using the waste piles on roads | <input checked="" type="checkbox"/> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
b. No ☒

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name: Phyllis E. Crane Ethel E. Crane

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1) Are you:

- a. A farmer/rancher? _____
☒ b. A homeowner? _____
 c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	<u>0</u>		
b. Surface water quality		<u>X</u>	
c. Subsurface water quality	<u>0</u>		
d. Wildlife numbers	<u>0</u>		
e. Vegetation growth	<u>0</u>		
f. Aesthetics, view	<u>0</u>		
g. Land sinkage			
h. Other (specify)			

3) Is there a mine site on your property? Yes _____ ☒ No _____

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____
☒ No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

☒ No _____
 Yes _____:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify)	_____
_____	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

☒ No _____
☐ Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

a. Better off _____
b. Worse off _____
☒ c. About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

	Yes	No
a. Plugging the mine openings	<input checked="" type="checkbox"/>	_____
b. Removing the mine waste piles	<input checked="" type="checkbox"/>	_____
c. Treating the water to clear the streams	<input checked="" type="checkbox"/>	_____
d. Drilling wells to stop or reduce water flows	_____	_____
e. Reseeding after cleanup of waste piles	<input checked="" type="checkbox"/>	_____
f. Using the waste piles on roads	<input checked="" type="checkbox"/>	_____
g. Other, (Specify) _____	_____	_____

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

a. Yes _____
☒ b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name:

Earl R. Sandness
Box 343
Beet Mount 59412

Concerning Belt Creek, Montana area

Billings
✓

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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? _____
- c. A landowner? ✓

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	<u>✓</u>	_____	_____
b. Surface water quality	_____	_____	<u>✓</u>
c. Subsurface water quality	_____	_____	<u>✓</u>
d. Wildlife numbers	<u>✓</u>	_____	_____
e. Vegetation growth	_____	<u>✓</u>	_____
f. Aesthetics, view	_____	<u>✓</u>	_____
g. Land sinkage	_____	_____	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property?
Yes, 100% _____ Yes, Partially _____ Don't know ✓
No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓
Yes _____:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify)	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ✓
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|-------|
| a. Plugging the mine openings | _____ | _____ |
| b. Removing the mine waste piles | _____ | _____ |
| c. Treating the water to clear the streams | _____ | _____ |
| d. Drilling wells to stop or reduce water flows | <u>✓</u> | _____ |
| e. Reseeding after cleanup of waste piles | <u>✓</u> | _____ |
| f. Using the waste piles on roads | _____ | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes ✓
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name: W.D. Murphy

Self

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1) Are you:

- a. A farmer/rancher? _____
b. A homeowner? X
c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	_____	_____	_____
b. Surface water quality	_____	_____	<u> X </u>
c. Subsurface water quality	_____	_____	<u> X </u>
d. Wildlife numbers	_____	_____	_____
e. Vegetation growth	_____	_____	_____
f. Aesthetics, view	_____	_____	_____
g. Land sinkage	_____	_____	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No X

4) Do you own the mineral rights beneath your property?

Yes, 100% X Yes, Partially _____ Don't know _____
No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No X
Yes _____:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify)	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same X

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|-------|
| a. Plugging the mine openings | <u>X</u> | _____ |
| b. Removing the mine waste piles | <u>X</u> | _____ |
| c. Treating the water to clear the streams | <u>X</u> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | _____ | _____ |
| f. Using the waste piles on roads | _____ | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
b. No X

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name: _____

Best ✓

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1) Are you:

- a. A farmer/rancher? _____
b. A homeowner? X _____
c. A landowner? 2 acres _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	<u>X</u>	_____	_____
b. Surface water quality	_____	_____	<u>X</u>
c. Subsurface water quality	_____	<u>X</u>	_____
d. Wildlife numbers	_____	<u>X</u>	_____
e. Vegetation growth	_____	<u>X</u>	_____
f. Aesthetics, view	_____	_____	<u>X</u>
g. Land sinkage	_____	<u>X</u>	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No X

4) Do you own the mineral rights beneath your property?
Yes, 100% 2 Yes, Partially _____ Don't know X
No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No X
Yes _____:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify)	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same X

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|----------|
| a. Plugging the mine openings | _____ | <u>X</u> |
| b. Removing the mine waste piles | _____ | <u>X</u> |
| c. Treating the water to clear the streams | <u>X</u> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | _____ | _____ |
| f. Using the waste piles on roads | _____ | _____ |
| g. Other, (Specify) | _____ | _____ |
- presently being done*

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes X
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

The mines in this area don't seem to be too much of a problem except for water flowing from them. I want to see them plugged. wild life use them during the winter. I have seen deer's birds go into the mines to get out of the weather.

Your Name: Edward Spragg

abandoned mine in Elk area.

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1) Are you:

- a. A farmer/rancher? _____
 b. A homeowner? X _____
 c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	_____	_____	<u>X</u> _____
b. Surface water quality	_____	_____	_____
c. Subsurface water quality	_____	<u>X</u> _____	_____
d. Wildlife numbers	<u>X</u> _____	_____	_____
e. Vegetation growth	_____	_____	_____
f. Aesthetics, view	_____	_____	<u>X</u> _____
g. Land sinkage	<u>X</u> _____	_____	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No _____

4) Do you own the mineral rights beneath your property?
 Yes, 100% _____ Yes, Partially _____ Don't know _____
 No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No X _____
 Yes _____:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify)	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off X
b. Worse off _____
c. About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|-------|
| a. Plugging the mine openings | <u>X</u> | _____ |
| b. Removing the mine waste piles | _____ | _____ |
| c. Treating the water to clear the streams | _____ | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | _____ | _____ |
| f. Using the waste piles on roads | <u>X</u> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name:

Albert E. Berg. Box 411. Belt Montana

Concerning Belt Creek, Montana area

Great Falls



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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? X
- c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	_____	<u> X </u>	_____
b. Surface water quality	_____	_____	<u> X </u>
c. Subsurface water quality	_____	_____	<u> X </u>
d. Wildlife numbers	_____	_____	<u> X </u>
e. Vegetation growth	_____	_____	<u> X </u>
f. Aesthetics, view	_____	_____	<u> X </u>
g. Land sinkage	_____	_____	<u> X </u>
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No X

4) Do you own the mineral rights beneath your property?
Yes, 100% _____ Yes, Partially _____ Don't know X
No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No X
Yes _____:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify)	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒

Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off ☒
b. Worse off _____
c. About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------------------------------------|-------|
| a. Plugging the mine openings | <input checked="" type="checkbox"/> | _____ |
| b. Removing the mine waste piles | <input checked="" type="checkbox"/> | _____ |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | _____ |
| d. Drilling wells to stop or reduce water flows | <input checked="" type="checkbox"/> | _____ |
| e. Reseeding after cleanup of waste piles | <input checked="" type="checkbox"/> | _____ |
| f. Using the waste piles on roads | <input checked="" type="checkbox"/> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes ☒
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

DRY FORK OF BELT CREEK DOES NOT
SUPPORT FISH & WILD LIFE. BELT CREEK
BELOW DRY FORK STILL DOES NOT SUPPORT
FISH LIKE IT SHOULD, FROM YEARS OF
POLLUTED MINE WATER SEEPING INTO CREEK, ALSO

Your Name: JIM WHITAKER / CABIN WASTE BRING
PUT INTO BELT CREEK.

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1) Are you:

- a. A farmer/rancher?
- b. A homeowner?
- c. A landowner?

I used to live on a farm, now I live in the city of Belt

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	_____	_____	<u>✓</u>
b. Surface water quality	_____	_____	<u>✓</u>
c. Subsurface water quality	_____	_____	<u>✓</u>
d. Wildlife numbers	_____	_____	_____
e. Vegetation growth	_____	_____	_____
f. Aesthetics, view	_____	_____	<u>✓</u>
g. Land sinkage	_____	_____	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property?

Yes, 100% ✓ Yes, Partially _____ Don't know _____

No _____ The owner is *Now Clayton Bweeney, Belt*

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓
Yes _____:

		How Much Area?
a. Air quality	_____	_____
b. Surface water quality	_____	_____
c. Subsurface water quality	_____	_____
d. Wildlife numbers	_____	_____
e. Vegetation growth	_____	_____
f. Aesthetics, view	_____	_____
g. Land sinkage	_____	_____
h. Other, (Specify)	_____	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No

Yes ✓:

About How
Many Annual Dollars?

- a. Reduced crop yield _____
b. Reduced livestock yield _____
c. Reduced land value _____
d. Reduced home value _____
e. Personal Health or safety _____
f. Other, (Specify) _____

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same ✓

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|-------|
| a. Plugging the mine openings | <u>✓</u> | _____ |
| b. Removing the mine waste piles | <u>✓</u> | _____ |
| c. Treating the water to clear the streams | <u>✓</u> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | <u>✓</u> | _____ |
| f. Using the waste piles on roads | <u>✓</u> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

We have old mines close to Belt, the water
out of the mines are running into Belt
creek, above the town. the one mine's water is
polluting the creek. We also have a cinder pile
above Belt which is burning & causes smoke in
the city.

Your Name:

John Thomas Mital

Concerning Belt Creek, Montana area

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1) Are you:

- a. A farmer/rancher? ☒
- b. A homeowner? ☐
- c. A landowner? ☐

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Surface water quality	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. Subsurface water quality	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. Wildlife numbers	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. Vegetation growth	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f. Aesthetics, view	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g. Land sinkage	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
h. Other (specify)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

3) Is there a mine site on your property? Yes ☐ No ☒

4) Do you own the mineral rights beneath your property?
Yes, 100% ☒ Yes, Partially ☐ Don't know ☐
No ☐ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ☒
Yes ☐

	How Much Area?
a. Air quality	<input type="checkbox"/>
b. Surface water quality	<input type="checkbox"/>
c. Subsurface water quality	<input type="checkbox"/>
d. Wildlife numbers	<input type="checkbox"/>
e. Vegetation growth	<input type="checkbox"/>
f. Aesthetics, view	<input type="checkbox"/>
g. Land sinkage	<input type="checkbox"/>
h. Other, (Specify)	<input type="checkbox"/>

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒

Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

a. Better off _____

b. Worse off _____

c. About the Same ☒

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------------------------------------|-------|
| a. Plugging the mine openings | <input checked="" type="checkbox"/> | _____ |
| b. Removing the mine waste piles | <input checked="" type="checkbox"/> | _____ |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | _____ |
| d. Drilling wells to stop or reduce water flows | <input checked="" type="checkbox"/> | _____ |
| e. Reseeding after cleanup of waste piles | <input checked="" type="checkbox"/> | _____ |
| f. Using the waste piles on roads | <input checked="" type="checkbox"/> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

a. Yes ☒

b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

*I am not as concerned about
old mines as new mines.
The streams are clean now and
vegetation has grown since the last
mining was done in the area*

Your Name: Charles F. Remington

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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? ✓ _____
- c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	<u>✓</u>	_____	_____
b. Surface water quality	_____	_____	<u>✓</u>
c. Subsurface water quality	_____	<u>✓</u>	_____
d. Wildlife numbers	<u>✓</u>	<u>✓</u>	_____
e. Vegetation growth	_____	<u>✓</u>	_____
f. Aesthetics, view	<u>✓</u>	_____	<u>✓</u>
g. Land sinkage	_____	_____	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property?

Yes, 100% ✓ Yes, Partially _____ Don't know _____
 No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓
 Yes _____:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify)	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?
- a. Better off ☒
b. Worse off _____
c. About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------------------------------------|-------|
| a. Plugging the mine openings | <input checked="" type="checkbox"/> | _____ |
| b. Removing the mine waste piles | <input checked="" type="checkbox"/> | _____ |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | _____ |
| d. Drilling wells to stop or reduce water flows | <input checked="" type="checkbox"/> | _____ |
| e. Reseeding after cleanup of waste piles | <input checked="" type="checkbox"/> | _____ |
| f. Using the waste piles on roads | <input checked="" type="checkbox"/> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?
- a. Yes ☒
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

I would like to see all mine dump & water flows cleaned up around Belt, I look like bel around here. These mine should be cleaned up by the companies that caused them if possible and then if they can't the government should pick up the tab.

Your Name: _____

A. B. Brown

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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? _____
- c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	<u>✓</u>	_____	_____
b. Surface water quality	_____	<u>✓</u>	_____
c. Subsurface water quality	<u>✓</u>	_____	_____
d. Wildlife numbers	<u>✓</u>	_____	_____
e. Vegetation growth	_____	<u>✓</u>	_____
f. Aesthetics, view	<u>✓</u>	_____	_____
g. Land sinkage	<u>✓</u>	_____	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____
 No ✓ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓
 Yes _____:

	How Much Area?
a. Air quality	<u>none</u>
b. Surface water quality	<u>+</u>
c. Subsurface water quality	<u>+</u>
d. Wildlife numbers	<u>+</u>
e. Vegetation growth	<u>+</u>
f. Aesthetics, view	<u>+</u>
g. Land sinkage	<u>+</u>
h. Other, (Specify)	<u>+</u>

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ✓
Yes _____:

		About How Many Annual Dollars?
a. Reduced crop yield	<u>none</u>	<u>11</u>
b. Reduced livestock yield	<u>11</u>	<u>11</u>
c. Reduced land value	<u>11</u>	<u>11</u>
d. Reduced home value	<u>11</u>	<u>11</u>
e. Personal Health or safety	<u>11</u>	<u>11</u>
f. Other, (Specify)	_____	_____

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

a. Better off _____
b. Worse off _____
c. About the Same ✓

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

	Yes	No
a. Plugging the mine openings	<u>✓</u>	_____
b. Removing the mine waste piles	<u>✓</u>	_____
c. Treating the water to clear the streams	<u>✓</u>	_____
d. Drilling wells to stop or reduce water flows	<u>✓</u>	_____
e. Reseeding after cleanup of waste piles	<u>✓</u>	_____
f. Using the waste piles on roads	<u>✓</u>	_____
g. Other, (Specify) _____	_____	_____

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

a. Yes _____
b. No ✓

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name: Jack R. & Ted Bykari

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- 1) Are you:
- a. A farmer/rancher? _____
 - b. A homeowner? X _____
 - c. A landowner? _____

- 2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	<u>X</u>	_____	_____
b. Surface water quality	_____	_____	<u>X</u>
c. Subsurface water quality	_____	<u>DON'T KNOW</u>	_____
d. Wildlife numbers	_____	<u>X</u>	_____
e. Vegetation growth	<u>X</u>	_____	_____
f. Aesthetics, view	_____	<u>X</u>	_____
g. Land sinkage	<u>X</u>	_____	_____
h. Other (specify)	_____	_____	_____

- 3) Is there a mine site on your property? Yes _____ No X _____

- 4) Do you own the mineral rights beneath your property?
Yes, 100% _____ Yes, Partially _____ Don't know X _____
No _____ The owner is _____

- 5) Has any of your property been effected by any pollution from abandoned mines?

No	<u>X</u>	
Yes	_____	
		How Much Area?
a. Air quality	_____	_____
b. Surface water quality	_____	_____
c. Subsurface water quality	_____	_____
d. Wildlife numbers	_____	_____
e. Vegetation growth	_____	_____
f. Aesthetics, view	_____	_____
g. Land sinkage	_____	_____
h. Other, (Specify)	_____	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same X

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|----------|
| a. Plugging the mine openings | <u>X</u> | _____ |
| b. Removing the mine waste piles | _____ | <u>X</u> |
| c. Treating the water to clear the streams | <u>X</u> | _____ |
| d. Drilling wells to stop or reduce water flows | <u>X</u> | _____ |
| e. Reseeding after cleanup of waste piles | _____ | <u>X</u> |
| f. Using the waste piles on roads | <u>X</u> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
b. No X

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name:

Pauline Grevco

Best ✓

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1) Are you:

- a. A farmer/rancher? _____
b. A homeowner? _____
c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	✓	_____	_____
b. Surface water quality	_____	_____	✓
c. Subsurface water quality	✓	_____	_____
d. Wildlife numbers	_____	✓	_____
e. Vegetation growth	_____	✓	_____
f. Aesthetics, view	_____	_____	✓
g. Land sinkage	_____	✓	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____
No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓
Yes _____:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify)	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines? ☒ No ☐ Yes _____:

About How
Many Annual Dollars?

- a. Reduced crop yield _____
b. Reduced livestock yield _____
c. Reduced land value _____
d. Reduced home value _____
e. Personal Health or safety _____
f. Other, (Specify) _____

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off ☒ _____
b. Worse off ☐ _____
c. About the Same ☐ _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------------------------------------|--------------------------|
| a. Plugging the mine openings | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| b. Removing the mine waste piles | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| d. Drilling wells to stop or reduce water flows | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| e. Reseeding after cleanup of waste piles | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| f. Using the waste piles on roads | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes ☐ _____
b. No ☒ _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name: _____

Amie Wood

Sent

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1) Are you:

- a. A farmer/rancher? _____
b. A homeowner? ✓ _____
c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	_____	<u>✓</u>	_____
b. Surface water quality	_____	_____	<u>✓</u>
c. Subsurface water quality	_____	<u>✓</u>	_____
d. Wildlife numbers	<u>✓</u>	_____	_____
e. Vegetation growth	_____	_____	<u>✓</u>
f. Aesthetics, view	_____	<u>✓</u>	_____
g. Land sinkage	_____	<u>✓</u>	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know ✓
No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓
Yes _____:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify)	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒

Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same ☒

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------------------------------------|-------|
| a. Plugging the mine openings | <input checked="" type="checkbox"/> | _____ |
| b. Removing the mine waste piles | <input checked="" type="checkbox"/> | _____ |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | _____ |
| d. Drilling wells to stop or reduce water flows | <input checked="" type="checkbox"/> | _____ |
| e. Reseeding after cleanup of waste piles | <input checked="" type="checkbox"/> | _____ |
| f. Using the waste piles on roads | <input checked="" type="checkbox"/> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes ☒
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name:

Rud E. Zento

Self ✓

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1) Are you:

- a. A farmer/rancher? _____
b. A homeowner? ✓
c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	_____	_____	_____
b. Surface water quality	_____	_____	<u>✓</u>
c. Subsurface water quality	_____	_____	_____
d. Wildlife numbers	_____	_____	_____
e. Vegetation growth	_____	_____	_____
f. Aesthetics, view	_____	_____	_____
g. Land sinkage	_____	_____	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____

No ✓ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓

Yes _____:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify)	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ✓
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same ✓

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|-------|
| a. Plugging the mine openings | _____ | _____ |
| b. Removing the mine waste piles | _____ | _____ |
| c. Treating the water to clear the streams | <u>✓</u> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | _____ | _____ |
| f. Using the waste piles on roads | _____ | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
b. No ✓

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name: Elbert R Coleman

Self

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1) Are you:

- a. A farmer/rancher? _____
 b. A homeowner? ✓
 c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	<u>✓</u>	_____	<u>✓</u>
b. Surface water quality	_____	_____	<u>✓</u>
c. Subsurface water quality	_____	_____	<u>✓</u>
d. Wildlife numbers	_____	<u>✓</u>	_____
e. Vegetation growth	_____	_____	<u>✓</u>
f. Aesthetics, view	_____	<u>✓</u>	<u>✓</u>
g. Land sinkage	_____	<u>✓</u>	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know ✓
 No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓
 Yes _____:

	How Much Area?
a. Air quality <u>None</u>	_____
b. Surface water quality <u>✓</u>	_____
c. Subsurface water quality <u>✓</u>	_____
d. Wildlife numbers <u>✓</u>	_____
e. Vegetation growth <u>✓</u>	_____
f. Aesthetics, view <u>✓</u>	_____
g. Land sinkage <u>✓</u>	_____
h. Other, (Specify)	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off ☒
b. Worse off _____
c. About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------------------------------------|-------------------------------------|
| a. Plugging the mine openings | <input checked="" type="checkbox"/> | _____ |
| b. Removing the mine waste piles | <input checked="" type="checkbox"/> | _____ |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | <input checked="" type="checkbox"/> |
| e. Reseeding after cleanup of waste piles | <input checked="" type="checkbox"/> | _____ |
| f. Using the waste piles on roads | <input checked="" type="checkbox"/> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes ☒
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name: _____

Self

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1) Are you:

- a. A farmer/rancher? _____
 b. A homeowner? X
 c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	_____	_____	_____
b. Surface water quality	_____	_____	<u> X </u>
c. Subsurface water quality	_____	_____	<u> X </u>
d. Wildlife numbers	_____	_____	_____
e. Vegetation growth	_____	_____	<u> X </u>
f. Aesthetics, view	_____	_____	<u> X </u>
g. Land sinkage	<u> X </u>	_____	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No X
No or by

4) Do you own the mineral rights beneath your property?
 Yes, 100% _____ Yes, Partially _____ Don't know X
 No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No _____
 Yes X :

		How Much Area?
a. Air quality	_____	_____
b. Surface water quality	_____	_____
c. Subsurface water quality	_____	_____
d. Wildlife numbers	_____	_____
e. Vegetation growth	<u> X </u>	<u> X </u>
f. Aesthetics, view	_____	_____
g. Land sinkage	_____	_____
h. Other, (Specify)	_____	_____

Small area Ditch
Ditch back of House unsightly

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same X

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|----------|
| a. Plugging the mine openings | <u>X</u> | _____ |
| b. Removing the mine waste piles | <u>X</u> | _____ |
| c. Treating the water to clear the streams | <u>X</u> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | <u>X</u> | _____ |
| f. Using the waste piles on roads | _____ | <u>X</u> |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes X
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

We have one mine in particular
which discharges water into Belt Creek
we also get filtration into our local
water well which is used by the
Town.

Your Name: _____

Bert Wilbman Box 212 Belt, Mont.
Former water plant Manager
for the Town of Belt 59412

Belt ✓

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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? ✓ _____
- c. A landowner? ✓ _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	<u>✓</u> _____	_____	_____
b. Surface water quality	_____	<u>✓</u> _____	_____
c. Subsurface water quality	_____	<u>✓</u> _____	_____
d. Wildlife numbers	<u>✓</u> _____	_____	_____
e. Vegetation growth	_____	<u>✓</u> _____	_____
f. Aesthetics, view	_____	<u>✓</u> _____	_____
g. Land sinkage	_____	<u>✓</u> _____	_____
h. Other (specify) _____	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No ✓ _____

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____
No ✓ _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓ _____
Yes _____:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify) _____	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same ☒

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------------------------------------|-------------------------------------|
| a. Plugging the mine openings | _____ | <input checked="" type="checkbox"/> |
| b. Removing the mine waste piles | <input checked="" type="checkbox"/> | _____ |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | <input checked="" type="checkbox"/> |
| e. Reseeding after cleanup of waste piles | <input checked="" type="checkbox"/> | _____ |
| f. Using the waste piles on roads | <input checked="" type="checkbox"/> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes ☒
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

*Let these contracts for improving
to small contractors so the reclamation
won't cost the government so much
money and also have local surveyors or
engineers that know the area work on it.*

Your Name: _____

Greg E Goodman

Left

T.A.P. Inc., a Bozeman based research firm, is assisting the Montana Department of State Lands in examining impacts and possible reclamation of abandoned coal mines in your locality. Your cooperation and input by answering this short survey will help us learn how local property owners feel about these mines.

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1) Are you:

- a. A farmer/rancher? _____
 b. A homeowner? X _____
 c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	<u> X </u>	_____	_____
b. Surface water quality	_____	<u> X </u>	_____
c. Subsurface water quality	_____	<u> X </u>	_____
d. Wildlife numbers	<u> X </u>	_____	_____
e. Vegetation growth	<u> X </u>	_____	_____
f. Aesthetics, view	_____	<u> X </u>	_____
g. Land sinkage	_____	<u> X </u>	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No X

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____
 No X The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No X
 Yes _____:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify)	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same X

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|----------|
| a. Plugging the mine openings | _____ | <u>X</u> |
| b. Removing the mine waste piles | _____ | <u>X</u> |
| c. Treating the water to clear the streams | _____ | <u>X</u> |
| d. Drilling wells to stop or reduce water flows | _____ | <u>X</u> |
| e. Reseeding after cleanup of waste piles | <u>X</u> | _____ |
| f. Using the waste piles on roads | <u>X</u> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes X
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name: _____

Best ✓

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1) Are you:

- a. A farmer/rancher? no
b. A homeowner? yes
c. A landowner? no

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	<u>✓</u>		
b. Surface water quality	<u>not know</u>		
c. Subsurface water quality	<u>not know</u>		
d. Wildlife numbers	<u>not know</u>		
e. Vegetation growth	<u>not know</u>		
f. Aesthetics, view	<u>not know</u>		
g. Land sinkage	<u>not know</u>		
h. Other (specify)			

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property? I have no
Yes, 100% _____ Yes, Partially _____ Don't know ✓ know
No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓
Yes _____:

	How Much Area?
a. Air quality	
b. Surface water quality	
c. Subsurface water quality	
d. Wildlife numbers	
e. Vegetation growth	
f. Aesthetics, view	
g. Land sinkage	
h. Other, (Specify)	

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒

Yes ☐

About How
Many Annual Dollars?

- a. Reduced crop yield
b. Reduced livestock yield
c. Reduced land value
d. Reduced home value
e. Personal Health or safety
f. Other, (Specify)

I do not know

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off
b. Worse off
c. About the Same

no

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- a. Plugging the mine openings
b. Removing the mine waste piles
c. Treating the water to clear the streams
d. Drilling wells to stop or reduce water flows
e. Reseeding after cleanup of waste piles
f. Using the waste piles on roads
g. Other, (Specify)

Yes No
I do not know

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes
b. No ☒

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

I am a widower and retired, so I am not in a position to help in any way with the questions you have asked.

Your Name:

Laurena McCafferty

Est

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1) Are you:

- a. A farmer/rancher? _____
b. A homeowner? ✓ _____
c. A landowner? ✓ _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	<u>✓</u>	_____	_____
b. Surface water quality	_____	_____	<u>✓</u>
c. Subsurface water quality	_____	_____	<u>✓</u>
d. Wildlife numbers	_____	<u>✓</u>	_____
e. Vegetation growth	_____	<u>✓</u>	_____
f. Aesthetics, view	_____	<u>✓</u>	_____
g. Land sinkage	_____	<u>✓</u>	_____
h. Other (specify) <u>Eye Sore to the Community</u>	_____	_____	<u>✓</u>

3) Is there a mine site on your property? Yes ✓ No ✓

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially Don't Don't know _____
No ✓ The owner is Don't know?

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓
Yes _____:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify)	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes _____:

About How
Many Annual Dollars?

- a. Reduced crop yield none
b. Reduced livestock yield none
c. Reduced land value none
d. Reduced home value none
e. Personal Health or safety none
f. Other, (Specify) _____

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same ☒

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------------------------------------|-------------------------------------|
| a. Plugging the mine openings | <input checked="" type="checkbox"/> | _____ |
| b. Removing the mine waste piles | <input checked="" type="checkbox"/> | _____ |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | <input checked="" type="checkbox"/> |
| e. Reseeding after cleanup of waste piles | <input checked="" type="checkbox"/> | _____ |
| f. Using the waste piles on roads | <input checked="" type="checkbox"/> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes ☒
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

It would be nice to get these mines opened up & into production if the govt would pay for economic & pollution clean-up. It would tremendously help our economy & our community.

Your Name: Sincerely William Virel

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1) Are you:

- a. A farmer/rancher?
b. A homeowner?
c. A landowner?

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	_____	_____	_____
b. Surface water quality	_____	_____	_____
c. Subsurface water quality	_____	_____	_____
d. Wildlife numbers	_____	_____	_____
e. Vegetation growth	_____	_____	_____
f. Aesthetics, view	_____	_____	_____
g. Land sinkage	_____	_____	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No X

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____
No X The owner is Don't Know

5) Has any of your property been effected by any pollution from abandoned mines?

No X
Yes _____:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify)	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same X

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|-------|
| a. Plugging the mine openings | _____ | _____ |
| b. Removing the mine waste piles | _____ | _____ |
| c. Treating the water to clear the streams | _____ | _____ |
| d. Drilling wells to stop or reduce water flows | <u>X</u> | _____ |
| e. Reseeding after cleanup of waste piles | _____ | _____ |
| f. Using the waste piles on roads | _____ | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
b. No X

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name:

Lawrence Nicole

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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? X _____
- c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	_____	<u>X</u>	_____
b. Surface water quality	_____	_____	<u>X</u>
c. Subsurface water quality	_____	<u>X</u>	_____
d. Wildlife numbers	<u>X</u>	_____	_____
e. Vegetation growth	<u>X</u>	_____	<u>X</u>
f. Aesthetics, view	_____	_____	<u>X</u>
g. Land sinkage	_____	<u>X</u>	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No X close

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____
 No Y The owner is ANACONDA CO.

5) Has any of your property been effected by any pollution from abandoned mines?

No _____
 Yes _____ ?

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify)	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No _____
 Yes X : ?

About How
 Many Annual Dollars?

- | | | |
|------------------------------|------------|----------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | <u>X</u> ? | <u>?</u> |
| d. Reduced home value | <u>X</u> ? | <u>?</u> |
| e. Personal Health or safety | <u>X</u> | <u>?</u> |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off X
 b. Worse off X
 c. About the Same X

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|------------|-------|
| a. Plugging the mine openings | <u>X</u> | _____ |
| b. Removing the mine waste piles | <u>X</u> | _____ |
| c. Treating the water to clear the streams | <u>X</u> | _____ |
| d. Drilling wells to stop or reduce water flows | <u>X</u> ? | _____ |
| e. Reseeding after cleanup of waste piles | <u>X</u> | _____ |
| f. Using the waste piles on roads | <u>X</u> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
 b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

#8 d - Drilling wells to reduce water flows
~~may damage~~ would probably damage
 sub-surface water quality

Your Name: _____

Bj. Wells

BCT

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1) Are you:

- a. A farmer/rancher? _____
b. A homeowner? ✓ _____
c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	<u>✓</u>	_____	<u>✓</u>
b. Surface water quality	_____	_____	<u>✓</u>
c. Subsurface water quality	<u>✓</u>	<u>✓</u>	_____
d. Wildlife numbers	_____	<u>✓</u>	_____
e. Vegetation growth	<u>✓</u>	_____	_____
f. Aesthetics, view	<u>✓</u>	_____	_____
g. Land sinkage	<u>✓</u>	_____	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____
No ✓ The owner is A.C.M.

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓
Yes _____:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify)	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same ☒

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------------------------------------|-------------------------------------|
| a. Plugging the mine openings | _____ | <input checked="" type="checkbox"/> |
| b. Removing the mine waste piles | <input checked="" type="checkbox"/> | _____ |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | <input checked="" type="checkbox"/> |
| e. Reseeding after cleanup of waste piles | _____ | <input checked="" type="checkbox"/> |
| f. Using the waste piles on roads | <input checked="" type="checkbox"/> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes ☒
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name: _____

James C. Rubine

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1) Are you:

- a. A farmer/rancher? _____
 b. A homeowner? _____
 c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	<input checked="" type="checkbox"/>	_____	_____
b. Surface water quality	_____	<input checked="" type="checkbox"/>	_____
c. Subsurface water quality	_____	<input checked="" type="checkbox"/>	_____
d. Wildlife numbers	<input checked="" type="checkbox"/>	_____	_____
e. Vegetation growth	_____	<input checked="" type="checkbox"/>	_____
f. Aesthetics, view	_____	<input checked="" type="checkbox"/>	_____
g. Land sinkage	<input checked="" type="checkbox"/>	_____	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No ☒

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____
 No ☒ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ☒
 Yes _____:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify)	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same X

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|-------|
| a. Plugging the mine openings | _____ | _____ |
| b. Removing the mine waste piles | <u>X</u> | _____ |
| c. Treating the water to clear the streams | <u>X</u> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | <u>X</u> | _____ |
| f. Using the waste piles on roads | _____ | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes X
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Refer to 8-b remove those waste piles in
or close to town. 8-c. treat water that
is running enough to cause pollution.
I do not feel that the government
should have to do all cleaning as it is to
costly.

Your Name: _____

Thomas A. Thompson

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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? ✓ _____
- c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	_____	_____	<u>✓</u> _____
b. Surface water quality	_____	_____	<u>✓</u> _____
c. Subsurface water quality	_____	_____	_____
d. Wildlife numbers	_____	_____	_____
e. Vegetation growth	_____	_____	_____
f. Aesthetics, view	_____	_____	_____
g. Land sinkage	_____	_____	_____
h. Other (specify) _____	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No ✓ _____

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know ✓ _____
 No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓ _____
 Yes ✓ _____ :

		How Much Area?
a. Air quality	<u>✓</u> _____	_____
b. Surface water quality	_____	_____
c. Subsurface water quality	_____	_____
d. Wildlife numbers	_____	_____
e. Vegetation growth	_____	_____
f. Aesthetics, view	_____	_____
g. Land sinkage	_____	_____
h. Other, (Specify) _____	_____	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No _____

Yes _____:

About How _____
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------|-------|
| a. Plugging the mine openings | _____ | _____ |
| b. Removing the mine waste piles | _____ | _____ |
| c. Treating the water to clear the streams | _____ | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | _____ | _____ |
| f. Using the waste piles on roads | _____ | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name: _____

5677 ✓

T.A.P. Inc., a Bozeman based research firm, is assisting the Montana Department of State Lands in examining impacts and possible reclamation of abandoned coal mines in your locality. Your cooperation and input by answering this short survey will help us learn how local property owners feel about these mines.

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1) Are you:

- a. A farmer/rancher? _____
b. A homeowner? _____
c. A landowner? X

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	_____	_____	_____
b. Surface water quality	_____	<u> X </u>	_____
c. Subsurface water quality	_____	_____	_____
d. Wildlife numbers	_____	_____	_____
e. Vegetation growth	_____	_____	_____
f. Aesthetics, view	_____	_____	_____
g. Land sinkage	_____	_____	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No X

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____
No X The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No X
Yes _____:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify)	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same X

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|-------|
| a. Plugging the mine openings | <u>X</u> | _____ |
| b. Removing the mine waste piles | _____ | _____ |
| c. Treating the water to clear the streams | <u>X</u> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | _____ | _____ |
| f. Using the waste piles on roads | _____ | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
b. No X

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name: EARL B. KENNEDY Box 233 BELT, MONTANA 59412

B. 1195

1 2 3

-
-
-
-
-
-

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same X

see below

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------|-------|
| a. Plugging the mine openings | _____ | _____ |
| b. Removing the mine waste piles | _____ | _____ |
| c. Treating the water to clear the streams | _____ | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | _____ | _____ |
| f. Using the waste piles on roads | _____ | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
b. No X

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

I don't live in the area. I feel the Gov. should reduce taxes instead of spending its money here. The mines have been there for years, and the property owners acquired the land knowing its condition. I'm against any reclamation by Gov. I have nothing against private parties cleaning up their own property.

Your Name: Dean Lake

Concerning Belt Creek, Montana area

Vaughn

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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? _____
- c. A landowner? ✓

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	_____	_____	_____
b. Surface water quality	_____	_____	_____
c. Subsurface water quality	_____	_____	_____
d. Wildlife numbers	_____	_____	_____
e. Vegetation growth	_____	_____	_____
f. Aesthetics, view	_____	_____	_____
g. Land sinkage	_____	_____	_____
h. Other (specify)	_____	_____	_____
<u>Don't live there</u>	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know ✓
No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓
Yes _____:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify)	_____
<u>Don't live there</u>	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ✓
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

a. Better off _____
b. Worse off _____
c. About the Same ✓

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

	Yes	No
a. Plugging the mine openings	<u>✓</u>	_____
b. Removing the mine waste piles	<u>✓</u>	_____
c. Treating the water to clear the streams	<u>✓</u>	_____
d. Drilling wells to stop or reduce water flows	<u>✓</u>	_____
e. Reseeding after cleanup of waste piles	<u>✓</u>	_____
f. Using the waste piles on roads	<u>✓</u>	_____
g. Other, (Specify) _____	_____	_____

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

a. Yes _____
b. No ✓

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Don't live there but think mine work
should be done

Your Name:

Gary Wahlgemuth

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1) Are you:

- a. A farmer/rancher? _____
b. A homeowner? ✓ _____
c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	<u>✓</u>	_____	_____
b. Surface water quality	<u>✓</u>	_____	_____
c. Subsurface water quality	<u>✓</u>	_____	_____
d. Wildlife numbers	<u>✓</u>	_____	_____
e. Vegetation growth	<u>✓</u>	_____	_____
f. Aesthetics, view	<u>✓</u>	_____	_____
g. Land sinkage	<u>✓</u>	_____	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know ✓
No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓
Yes _____:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify)	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off ☒
b. Worse off _____
c. About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------------------------------------|-------------------------------------|
| a. Plugging the mine openings | _____ | <input checked="" type="checkbox"/> |
| b. Removing the mine waste piles | _____ | <input checked="" type="checkbox"/> |
| c. Treating the water to clear the streams | _____ | <input checked="" type="checkbox"/> |
| d. Drilling wells to stop or reduce water flows | _____ | <input checked="" type="checkbox"/> |
| e. Reseeding after cleanup of waste piles | _____ | <input checked="" type="checkbox"/> |
| f. Using the waste piles on roads | <input checked="" type="checkbox"/> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
b. No ☒

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

*USE OF the spill & waste Piles
ON Roads would BE A GREAT
idea, But Further costs
would BE OF NO Value Just
For the sake OF INHIBITING THE
Beauty OF THE Land scape.*

Your Name: _____

Jack Wiederrick
Jack Wiederrick

Concerning Belt Creek, Montana area

Great Falls

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1) Are you:

- a. A farmer/rancher? X
 b. A homeowner? _____
 c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	_____	_____	_____
b. Surface water quality	_____	<u>X</u>	_____
c. Subsurface water quality	_____	<u>X</u>	_____
d. Wildlife numbers	_____	_____	_____
e. Vegetation growth	_____	_____	_____
f. Aesthetics, view	_____	_____	<u>X</u>
g. Land sinkage	_____	<u>X</u>	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No X

4) Do you own the mineral rights beneath your property?

Yes, 100% X Yes, Partially _____ Don't know _____
 No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No X
 Yes _____:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify)	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same X

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|-------|
| a. Plugging the mine openings | <u>X</u> | _____ |
| b. Removing the mine waste piles | <u>X</u> | _____ |
| c. Treating the water to clear the streams | _____ | _____ |
| d. Drilling wells to stop or reduce water flows | <u>X</u> | _____ |
| e. Reseeding after cleanup of waste piles | <u>X</u> | _____ |
| f. Using the waste piles on roads | <u>X</u> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes X
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name: _____

Michaela

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1) Are you:

- a. A farmer/rancher? _____
b. A homeowner? ✓ _____
c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	<u>✓</u>	_____	_____
b. Surface water quality	_____	_____	<u>✓</u>
c. Subsurface water quality	_____	_____	<u>✓</u>
d. Wildlife numbers	_____	<u>✓</u>	_____
e. Vegetation growth	_____	_____	<u>✓</u>
f. Aesthetics, view	_____	_____	<u>✓</u>
g. Land sinkage	_____	<u>✓</u>	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know ✓
No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No _____
Yes ✓:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other (Specify)	_____
<u>Mud slides</u>	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒

Yes _____:

- a. Reduced crop yield _____
b. Reduced livestock yield _____
c. Reduced land value _____
d. Reduced home value _____
e. Personal Health or safety _____
f. Other, (Specify) _____

About How
Many Annual Dollars?

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same ☒

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------------------------------------|-------|
| a. Plugging the mine openings | <input checked="" type="checkbox"/> | _____ |
| b. Removing the mine waste piles | <input checked="" type="checkbox"/> | _____ |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | <input checked="" type="checkbox"/> | _____ |
| f. Using the waste piles on roads | <input checked="" type="checkbox"/> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name:

Shirley A. Hill

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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? ✓ _____
- c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	_____	_____	_____
b. Surface water quality	<u>✓</u> _____	<u>✓</u> _____	_____
c. Subsurface water quality	_____	_____	_____
d. Wildlife numbers	_____	_____	_____
e. Vegetation growth	_____	_____	_____
f. Aesthetics, view	_____	_____	_____
g. Land sinkage	_____	_____	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No ✓ _____

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____
No ✓ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓ _____
Yes _____:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify)	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same ☒

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------------------------------------|-------|
| a. Plugging the mine openings | <input checked="" type="checkbox"/> | _____ |
| b. Removing the mine waste piles | <input checked="" type="checkbox"/> | _____ |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | _____ | _____ |
| f. Using the waste piles on roads | <input checked="" type="checkbox"/> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
b. No ☒

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

I am 83 yrs old but could not help
much here

Your Name: Chas. J. Berg

felt ✓

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1) Are you:

- a. A farmer/rancher? _____
b. A homeowner? yes
c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	<u>X</u>	_____	_____
b. Surface water quality	_____	_____	<u>X</u>
c. Subsurface water quality	_____	_____	<u>X</u>
d. Wildlife numbers	<u>X</u>	_____	_____
e. Vegetation growth	<u>X</u>	_____	_____
f. Aesthetics, view	_____	<u>X</u>	_____
g. Land sinkage	_____	<u>X</u>	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No X

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know X
No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No X
Yes _____:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify)	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off X
b. Worse off _____
c. About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|-------|
| a. Plugging the mine openings | <u>X</u> | _____ |
| b. Removing the mine waste piles | _____ | _____ |
| c. Treating the water to clear the streams | <u>X</u> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | <u>X</u> | _____ |
| f. Using the waste piles on roads | <u>X</u> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes X
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Clean up the mine water that runs
into Belt Creek polluting the
stream

Your Name: Michael F. Zukowski

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1) Are you:

- a. A farmer/rancher?
~~x~~ b. A homeowner?
 c. A landowner?

Homeowner

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	_____	<u>a</u>	_____
b. Surface water quality	_____	_____	<u>b</u>
c. Subsurface water quality ?	_____	_____	_____
d. Wildlife numbers ?	_____	_____	_____
e. Vegetation growth ?	_____	_____	<u>c</u>
f. Aesthetics, view	_____	<u>a</u>	_____
g. Land sinkage	_____	_____	_____
h. Other (specify)	_____	_____	<u>h</u>
<u>Left Slack Dump</u>	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No x

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know x
 No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No _____
 Yes x:

- a. Air quality _____
 b. Surface water quality ✓
 c. Subsurface water quality _____
 d. Wildlife numbers _____
 e. Vegetation growth _____
 f. Aesthetics, view ✓
 g. Land sinkage ✓
 h. Other, (Specify)
At one time had water well

How Much Area?

Two large pits ACROSS RAIL

Daily view ACROSS RAIL

on property. Now not in
 use. No sink holes

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒

Yes _____:

About How _____
Many Annual Dollars?

- a. Reduced crop yield _____
b. Reduced livestock yield _____
c. Reduced land value _____
d. Reduced home value _____
e. Personal Health or safety _____
f. Other, (Specify) _____

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same ☒

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|--|-------------------------------------|-------|
| a. Plugging the mine openings ? | _____ | _____ |
| b. Removing the mine waste piles ? | _____ | _____ |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | _____ |
| d. Drilling wells to stop or reduce water flows? | _____ | _____ |
| e. Reseeding after cleanup of waste piles | <input checked="" type="checkbox"/> | _____ |
| f. Using the waste piles on roads | <input checked="" type="checkbox"/> | _____ |
| g. Other, (Specify) <u>OR MAKE USE OF MINES AGAIN?</u> | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes ☒
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

If it was not for Merle's Beck property would not be!
However, Redtape and almost no help to former
mines owners. Belts "Slack Dump" has provided
orders for winter stocking use for years! You cannot
get fed of it. "Mines" water still flows in the Bell Creek
what else can be done?

Your Name: _____

Mrs. Mafines Jander
PO Box 339
Bellevue, MT 59412

Concerning Belt Creek, Montana area

Picard 1/10

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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? _____
- c. A landowner? ✓

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	_____	<u>✓</u>	_____
b. Surface water quality	_____	_____	_____
c. Subsurface water quality	_____	_____	_____
d. Wildlife numbers	_____	_____	_____
e. Vegetation growth	_____	_____	_____
f. Aesthetics, view	_____	_____	_____
g. Land sinkage	_____	_____	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property?
Yes, 100% _____ Yes, Partially _____ Don't know ✓
No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓
Yes _____:

		How Much Area?
a. Air quality	_____	_____
b. Surface water quality	_____	_____
c. Subsurface water quality	_____	_____
d. Wildlife numbers	_____	_____
e. Vegetation growth	_____	_____
f. Aesthetics, view	_____	_____
g. Land sinkage	_____	_____
h. Other, (Specify)	_____	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒

Yes _____:

About How _____
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

a. Better off _____

b. Worse off _____

c. About the Same ☒

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------------------------------------|-------|
| a. Plugging the mine openings | _____ | _____ |
| b. Removing the mine waste piles | _____ | _____ |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | <input checked="" type="checkbox"/> | _____ |
| f. Using the waste piles on roads | _____ | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

a. Yes ☒

b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name:

P. M. Mrought

Concerning Belt Creek, Montana area

Billings

T.A.P. Inc., a Bozeman based research firm, is assisting the Montana Department of State Lands in examining impacts and possible reclamation of abandoned coal mines in your locality. Your cooperation and input by answering this short survey will help us learn how local property owners feel about these mines.

The survey can be completed by just check marking the appropriate space. Use the pre-addressed, no stamp required envelope to return the survey to us. Your answers will be combined with those of your neighbors and the results will be available to you and to the Department of State Lands. Thank you for your help.

1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? ✓ _____
- c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	<u>✓</u>	_____	_____
b. Surface water quality	_____	_____	<u>✓</u>
c. Subsurface water quality	_____	<u>✓</u>	_____
d. Wildlife numbers	<u>✓</u>	<u>✓</u>	_____
e. Vegetation growth	_____	<u>✓</u>	_____
f. Aesthetics, view	_____	_____	<u>✓</u>
g. Land sinkage	<u>✓</u>	_____	_____
h. Other (specify) _____	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____

No ✓ The owner is ACM. 1/2 hrs. ago. know. Atlantic Richfield

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓
Yes _____:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify) _____	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes ☐

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same ☒

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------------------------------------|-------|
| a. Plugging the mine openings | _____ | _____ |
| b. Removing the mine waste piles | _____ | _____ |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | <input checked="" type="checkbox"/> | _____ |
| f. Using the waste piles on roads | <input checked="" type="checkbox"/> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
b. No ☒

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

*I own the property in city of Belt but I have not lived there for over thirty years.
My brother lives on the property.*

Your Name: _____

Nelson E. Locke

2017

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1) Are you:

- a. A farmer/rancher? _____
 b. A homeowner? _____
 c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	<input checked="" type="checkbox"/>		
b. Surface water quality		<input checked="" type="checkbox"/>	
c. Subsurface water quality	<input checked="" type="checkbox"/>		
d. Wildlife numbers	<input checked="" type="checkbox"/>		
e. Vegetation growth	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
f. Aesthetics, view		<input checked="" type="checkbox"/>	
g. Land sinkage	<input checked="" type="checkbox"/>		
h. Other (specify)			

3) Is there a mine site on your property? Yes _____ No ☒

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially ☒ Don't know _____
 No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ☒
 Yes _____:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify)	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off ☒
b. Worse off _____
c. About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------------------------------------|-------|
| a. Plugging the mine openings | <input checked="" type="checkbox"/> | _____ |
| b. Removing the mine waste piles | <input checked="" type="checkbox"/> | _____ |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | _____ |
| d. Drilling wells to stop or reduce water flows | <input checked="" type="checkbox"/> | _____ |
| e. Reseeding after cleanup of waste piles | <input checked="" type="checkbox"/> | _____ |
| f. Using the waste piles on roads | <input checked="" type="checkbox"/> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes ☒
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name:

Russell Leland

Self

T.A.P. Inc., a Bozeman based research firm, is assisting the Montana Department of State Lands in examining impacts and possible reclamation of abandoned coal mines in your locality. Your cooperation and input by answering this short survey will help us learn how local property owners feel about these mines.

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1) Are you:

- a. A farmer/rancher? _____
b. A homeowner? ✓ _____
c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	<u>✓</u>	_____	_____
b. Surface water quality	_____	<u>✓</u>	_____
c. Subsurface water quality	_____	_____	<u>✓</u>
d. Wildlife numbers	_____	_____	<u>✓</u>
e. Vegetation growth	_____	<u>✓</u>	_____
f. Aesthetics, view	_____	_____	<u>✓</u>
g. Land sinkage	_____	_____	<u>✓</u>
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know ✓
No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓
Yes _____:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify)	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No

Yes ✓:

About How
Many Annual Dollars?

- a. Reduced crop yield _____
b. Reduced livestock yield _____
c. Reduced land value _____
d. Reduced home value _____
e. Personal Health or safety _____
f. Other, (Specify) _____

General - sloppy abandonment - Appearance + Safety

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off ✓
b. Worse off _____
c. About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|----------|
| a. Plugging the mine openings | <u>✓</u> | _____ |
| b. Removing the mine waste piles | <u>✓</u> | _____ |
| c. Treating the water to clear the streams | <u>✓</u> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | <u>✓</u> |
| e. Reseeding after cleanup of waste piles | <u>✓</u> | _____ |
| f. Using the waste piles on roads | <u>✓</u> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes ✓
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Mine owners should pay for the work to be
Done - They made the mess.
Government (Taxpayers) should be spared for
a change

Your Name: Philip Kleffner

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1) Are you:

- a. A farmer/rancher? _____
 b. A homeowner? ✓
 c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	_____	<u>✓</u>	_____
b. Surface water quality	_____	<u>✓</u>	_____
c. Subsurface water quality	_____	<u>✓</u>	_____
d. Wildlife numbers	<u>✓</u>	_____	_____
e. Vegetation growth	<u>✓</u>	_____	_____
f. Aesthetics, view	<u>✓</u>	_____	_____
g. Land sinkage	<u>✓</u>	_____	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know ✓
 No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓
 Yes _____:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify)	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same ☒

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------------------------------------|-------------------------------------|
| a. Plugging the mine openings | <input checked="" type="checkbox"/> | _____ |
| b. Removing the mine waste piles | <input checked="" type="checkbox"/> | _____ |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | <input checked="" type="checkbox"/> |
| e. Reseeding after cleanup of waste piles | <input checked="" type="checkbox"/> | _____ |
| f. Using the waste piles on roads | _____ | <input checked="" type="checkbox"/> |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes ☒
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

I would like to see the mines in
this AREA reopen AS IT would bring
new jobs in this AREA which is badly
needed. The Economy is Falling and
something HAS to be done to restore it.

Your Name: Michael Bumble

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1) Are you:

- a. A farmer/rancher? _____
 b. A homeowner? ✓ _____
 c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	_____	_____	_____
b. Surface water quality	_____	_____	_____
c. Subsurface water quality	_____	_____	<u>✓</u> _____
d. Wildlife numbers	_____	_____	_____
e. Vegetation growth	_____	_____	_____
f. Aesthetics, view	_____	_____	_____
g. Land sinkage	_____	_____	_____
h. Other (specify) _____	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No ✓ _____

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____
 No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓ _____
 Yes _____:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify) _____	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same ☒

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------------------------------------|-------|
| a. Plugging the mine openings | <input checked="" type="checkbox"/> | _____ |
| b. Removing the mine waste piles | <input checked="" type="checkbox"/> | _____ |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | _____ |
| d. Drilling wells to stop or reduce water flows | <input checked="" type="checkbox"/> | _____ |
| e. Reseeding after cleanup of waste piles | <input checked="" type="checkbox"/> | _____ |
| f. Using the waste piles on roads | <input checked="" type="checkbox"/> | _____ |
| g. Other, (Specify) <u>Land Fill</u> | <input checked="" type="checkbox"/> | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes ☒
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Reading in the St Falls Tribune, money
was appropriated for these clean projects, but
as of yet nothing has been done, Why?

Your Name: _____

Kenneth A. Burley

3017

T.A.P. Inc., a Bozeman based research firm, is assisting the Montana Department of State Lands in examining impacts and possible reclamation of abandoned coal mines in your locality. Your cooperation and input by answering this short survey will help us learn how local property owners feel about these mines.

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1) Are you:

- a. A farmer/rancher? _____
b. A homeowner? ✓ _____
c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	_____	_____	_____
b. Surface water quality	_____	_____	<u>✓</u> _____
c. Subsurface water quality	_____	_____	_____
d. Wildlife numbers	_____	_____	_____
e. Vegetation growth	_____	<u>✓</u> _____	_____
f. Aesthetics, view	_____	_____	<u>✓</u> _____
g. Land sinkage	_____	_____	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No ✓ _____

4) Do you own the mineral rights beneath your property?

Yes, 100% ✓ Yes, Partially _____ Don't know _____
No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓
Yes _____:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify)	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same ☒

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------------------------------------|-------|
| a. Plugging the mine openings | <input checked="" type="checkbox"/> | _____ |
| b. Removing the mine waste piles | <input checked="" type="checkbox"/> | _____ |
| c. Treating the water to clear the streams | _____ | _____ |
| d. Drilling wells to stop or reduce water flows | <input checked="" type="checkbox"/> | _____ |
| e. Reseeding after cleanup of waste piles | <input checked="" type="checkbox"/> | _____ |
| f. Using the waste piles on roads | <input checked="" type="checkbox"/> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes ☒
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

It's time that (something) be done!

Your Name:

Gary E. Gray

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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? X
- c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	<u> X </u>	_____	_____
b. Surface water quality	_____	_____	_____
c. Subsurface water quality	_____	_____	_____
d. Wildlife numbers	_____	_____	_____
e. Vegetation growth	_____	_____	_____
f. Aesthetics, view	_____	_____	_____
g. Land sinkage	_____	_____	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No X

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____
 No X The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No X
 Yes _____:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify)	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same X

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------|-------|
| a. Plugging the mine openings | _____ | _____ |
| b. Removing the mine waste piles | _____ | _____ |
| c. Treating the water to clear the streams | _____ | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | _____ | _____ |
| f. Using the waste piles on roads | _____ | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
b. No X

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

There is "no" pollution here in Mont
to speak of. We moved here from Cal,
(Shon) & the pollution is terrible there.
I am thankful to be in this clean air

Your Name: Mrs Clarence W Inman

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1) Are you:

- a. A farmer/rancher? _____
 b. A homeowner? _____
 c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	_____	_____	_____
b. Surface water quality	_____	X	_____
c. Subsurface water quality	_____	X	_____
d. Wildlife numbers	_____	_____	_____
e. Vegetation growth	_____	_____	_____
f. Aesthetics, view	_____	X	_____
g. Land sinkage	_____	_____	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No X

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know X
 No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No X
 Yes _____:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify)	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

a. Better off X
b. Worse off _____
c. About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

	Yes	No
a. Plugging the mine openings	_____	_____
b. Removing the mine waste piles	_____	_____
c. Treating the water to clear the streams	<u>X</u>	<u>/</u>
d. Drilling wells to stop or reduce water flows	_____	_____
e. Reseeding after cleanup of waste piles	<u>X</u>	_____
f. Using the waste piles on roads	_____	_____
g. Other, (Specify) _____	_____	_____

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

a. Yes _____
b. No X

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Why do anything with them
now?

Your Name: _____

Shirley Kungby

T.A.P. Inc., a Bozeman based research firm, is assisting the Montana Department of State Lands in examining impacts and possible reclamation of abandoned coal mines in your locality. Your cooperation and input by answering this short survey will help us learn how local property owners feel about these mines.

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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? Homeowner
- c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	<u>X</u>	_____	_____
b. Surface water quality	_____	<u>X</u>	_____
c. Subsurface water quality	_____	_____	<u>X</u>
d. Wildlife numbers	<u>X</u>	_____	_____
e. Vegetation growth	<u>X</u>	_____	_____
f. Aesthetics, view	<u>X</u>	_____	_____
g. Land sinkage	<u>X</u>	_____	_____
h. Other (specify) _____	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No X

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know X
 No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No X
 Yes _____:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify) _____	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same X

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------|----------|
| a. Plugging the mine openings | _____ | <u>X</u> |
| b. Removing the mine waste piles | _____ | <u>X</u> |
| c. Treating the water to clear the streams | _____ | <u>X</u> |
| d. Drilling wells to stop or reduce water flows | _____ | <u>X</u> |
| e. Reseeding after cleanup of waste piles | _____ | <u>X</u> |
| f. Using the waste piles on roads | _____ | _____ |
| g. Other, (Specify) <u>leave as is</u> | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
b. No X

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

see no reason to spend taxpayers
money on mines when they maybe
open up again

Your Name: _____

Sharon D Mabury
12-17-1980

Concerning Belt Creek, Montana area

Howe

T.A.P. Inc., a Bozeman based research firm, is assisting the Montana Department of State Lands in examining impacts and possible reclamation of abandoned coal mines in your locality. Your cooperation and input by answering this short survey will help us learn how local property owners feel about these mines.

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1) Are you:

- a. A farmer/rancher? _____
b. A homeowner? ✓
c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	_____	<u>✓</u>	_____
b. Surface water quality	<u>✓</u>	_____	_____
c. Subsurface water quality	<u>✓</u>	_____	_____
d. Wildlife numbers	<u>✓</u>	_____	_____
e. Vegetation growth	<u>✓</u>	_____	<u>✓</u>
f. Aesthetics, view	<u>✓</u>	_____	<u>✓</u>
g. Land sinkage	<u>✓</u>	_____	_____
h. Other (specify)	_____	_____	<u>✓</u>
<u>slag pile from coke ovens</u>			

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____
No ✓ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓
Yes _____:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify)	_____
_____	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same ☒

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------------------------------------|-------|
| a. Plugging the mine openings | <input checked="" type="checkbox"/> | _____ |
| b. Removing the mine waste piles | <input checked="" type="checkbox"/> | _____ |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | <input checked="" type="checkbox"/> | _____ |
| f. Using the waste piles on roads | <input checked="" type="checkbox"/> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
b. No ☒

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name:

Virginia Proctor

7-2-1-14-85

Page



T.A.P. Inc., a Bozeman based research firm, is assisting the Montana Department of State Lands in examining impacts and possible reclamation of abandoned coal mines in your locality. Your cooperation and input by answering this short survey will help us learn how local property owners feel about these mines.

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1) Are you:

- a. A farmer/rancher? _____
 b. A homeowner? X
 c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	_____	<u> X </u>	_____
b. Surface water quality	_____	_____	<u> X </u>
c. Subsurface water quality	_____	_____	<u> X </u>
d. Wildlife numbers	_____	<u> X </u>	_____
e. Vegetation growth	_____	<u> X </u>	_____
f. Aesthetics, view	_____	<u> X </u>	_____
g. Land sinkage	<u> X </u>	_____	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No X

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know X
 No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No X
 Yes _____:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify)	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off X
c. About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|----------|
| a. Plugging the mine openings | _____ | <u>X</u> |
| b. Removing the mine waste piles | <u>X</u> | _____ |
| c. Treating the water to clear the streams | _____ | <u>X</u> |
| d. Drilling wells to stop or reduce water flows | _____ | <u>X</u> |
| e. Reseeding after cleanup of waste piles | <u>X</u> | _____ |
| f. Using the waste piles on roads | <u>X</u> | _____ |
| g. Other, (Specify) <u>Use waste for road construction.</u> | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes X
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

We feel the biggest problem is the mine waste
pile. It pollutes Belt Creek, sometimes emits
sulfurous gas, and is somewhat of an eyesore.

Your Name: GARRY CROWDER + JUDY CROWDER

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- 1) Are you:
- a. A farmer/rancher? _____
 - b. A homeowner? X
 - c. A landowner? _____

- 2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	<u> X </u>	_____	_____
b. Surface water quality	_____	<u> X </u>	_____
c. Subsurface water quality	<u> X </u>	_____	_____
d. Wildlife numbers	<u> X </u>	_____	_____
e. Vegetation growth	_____	<u> X </u>	_____
f. Aesthetics, view	_____	<u> X </u>	_____
g. Land sinkage	<u> X </u>	_____	_____
h. Other (specify)	_____	_____	_____

- 3) Is there a mine site on your property? Yes _____ No X

- 4) Do you own the mineral rights beneath your property?
Yes, 100% _____ Yes, Partially _____ Don't know X
No _____ The owner is _____

- 5) Has any of your property been effected by any pollution from abandoned mines?

No X
Yes _____:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify)	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off X
b. Worse off _____
c. About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|----------|
| a. Plugging the mine openings | _____ | <u>X</u> |
| b. Removing the mine waste piles | _____ | <u>X</u> |
| c. Treating the water to clear the streams | _____ | <u>X</u> |
| d. Drilling wells to stop or reduce water flows | _____ | <u>X</u> |
| e. Reseeding after cleanup of waste piles | _____ | <u>X</u> |
| f. Using the waste piles on roads | <u>X</u> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes X
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Ours is a beautiful valley and the old
mines add local color. Waste is now
used on city roads and I feel we
have way to much government in our
lives now.

Your Name: Ernest L. Stokes 304133

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- 1) Are you:
- a. A farmer/rancher? _____
 - b. A homeowner? ✓ _____
 - c. A landowner? _____

- 2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	<u>✓</u>	_____	_____
b. Surface water quality	<u>✓</u>	_____	_____
c. Subsurface water quality	<u>✓</u>	_____	_____
d. Wildlife numbers	<u>✓</u>	_____	_____
e. Vegetation growth	<u>✓</u>	_____	_____
f. Aesthetics, view	<u>✓</u>	_____	_____
g. Land sinkage	<u>✓</u>	_____	_____
h. Other (specify)	_____	_____	_____

- 3) Is there a mine site on your property? Yes _____ No ✓

- 4) Do you own the mineral rights beneath your property?
Yes, 100% _____ Yes, Partially _____ Don't know ✓
No _____ The owner is _____

- 5) Has any of your property been effected by any pollution from abandoned mines?

No ✓
Yes _____:

	How Much Area?
a. Air quality	<u>NO</u> _____
b. Surface water quality	<u>NO</u> _____
c. Subsurface water quality	<u>NO</u> _____
d. Wildlife numbers	<u>NO</u> _____
e. Vegetation growth	<u>NO</u> _____
f. Aesthetics, view	<u>NO</u> _____
g. Land sinkage	<u>NO</u> _____
h. Other, (Specify)	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ✓
Yes _____:

About How
Many Annual Dollars?

a. Reduced crop yield	<u>NO</u>	_____
b. Reduced livestock yield	<u>NO</u>	_____
c. Reduced land value	<u>NO</u>	_____
d. Reduced home value	<u>NO</u>	_____
e. Personal Health or safety	<u>NO</u>	_____
f. Other, (Specify)	_____	_____

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

a. Better off _____
b. Worse off _____
c. About the Same ✓

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

	Yes	No
a. Plugging the mine openings	<u>✓</u>	_____
b. Removing the mine waste piles	<u>✓</u>	_____
c. Treating the water to clear the streams	<u>✓</u>	_____
d. Drilling wells to stop or reduce water flows	<u>✓</u>	_____
e. Reseeding after cleanup of waste piles	<u>✓</u>	_____
f. Using the waste piles on roads	<u>✓</u>	_____
g. Other, (Specify) _____	_____	_____

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

a. Yes ✓
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

We need the coal for the
needs of our nation's supply
It will put people back to
work. And they can clear off
the land as the coal is brought out -

Your Name: _____

Larry V. Ebaugh Box 296 Belt Montana

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1) Are you:

- a. A farmer/rancher? _____
 b. A homeowner? ✓
 c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	<u>✓</u>	_____	_____
b. Surface water quality	_____	_____	<u>✓</u>
c. Subsurface water quality	_____	<u>✓</u>	_____
d. Wildlife numbers	<u>✓</u>	_____	_____
e. Vegetation growth	<u>✓</u>	_____	_____
f. Aesthetics, view	<u>✓</u>	_____	_____
g. Land sinkage	_____	_____	<u>✓</u>
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know ✓
 No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓
 Yes _____:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify)	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same ☒

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------------------------------------|-------------------------------------|
| a. Plugging the mine openings | _____ | <input checked="" type="checkbox"/> |
| b. Removing the mine waste piles | _____ | <input checked="" type="checkbox"/> |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | <input checked="" type="checkbox"/> |
| e. Reseeding after cleanup of waste piles | <input checked="" type="checkbox"/> | _____ |
| f. Using the waste piles on roads | <input checked="" type="checkbox"/> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes ☒
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

I don't object to reclaiming the mining of coal in this area. The economic impact would be good but when all the coal is taken what will future generations do?

Your Name: June Stewart 304383

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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? ✓ _____
- c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	<u>✓</u>	_____	_____
b. Surface water quality	_____	_____	<u>✓</u>
c. Subsurface water quality	_____	_____	<u>✓</u>
d. Wildlife numbers	<u>✓</u>	_____	_____
e. Vegetation growth	_____	<u>✓</u>	_____
f. Aesthetics, view	_____	_____	<u>✓</u>
g. Land sinkage	<u>✓</u>	_____	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No ✓

Sold our ranch in 1966 but reserved the mineral rights which we own, with exception of 167 acres.

4) Do you own the mineral rights beneath your property?
 Yes, 100% ✓ Yes, Partially _____ Don't know _____
 No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓
 Yes _____:

- a. Air quality _____
- b. Surface water quality _____
- c. Subsurface water quality _____
- d. Wildlife numbers _____
- e. Vegetation growth _____
- f. Aesthetics, view _____
- g. Land sinkage _____
- h. Other, (Specify) _____

How Much Area?

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same ☒

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------------------------------------|-------|
| a. Plugging the mine openings | <input checked="" type="checkbox"/> | _____ |
| b. Removing the mine waste piles | <input checked="" type="checkbox"/> | _____ |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | _____ | _____ |
| f. Using the waste piles on roads | _____ | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

would like to see the mine water cleaned up more than any thing. Belt Creek looks like a sewer much of the year.

Your Name: _____

Carl G. Johnson

Carl G. & Flossie M.

Johnson

Belt, Montana 59412

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- 1) Are you:
- a. A farmer/rancher? _____
 - b. A homeowner? /
 - c. A landowner? _____

- 2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	<u> / </u>	_____	_____
b. Surface water quality	_____	<u> / </u>	_____
c. Subsurface water quality	<u> / </u>	_____	_____
d. Wildlife numbers	<u> / </u>	_____	_____
e. Vegetation growth	<u> / </u>	_____	_____
f. Aesthetics, view	_____	_____	<u> / </u>
g. Land sinkage	<u> / </u>	_____	_____
h. Other (specify)	_____	_____	_____

- 3) Is there a mine site on your property? Yes _____ No /

- 4) Do you own the mineral rights beneath your property?
Yes, 100% _____ Yes, Partially _____ Don't know /
No _____ The owner is _____

- 5) Has any of your property been effected by any pollution from abandoned mines?

No /
Yes _____:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify)	_____

6) Have you experienced an economic loss from any pollution from abandoned mines?

No ✓
Yes _____:

About How
Many Annual Dollars?

a. Reduced crop yield	_____	_____
b. Reduced livestock yield	_____	_____
c. Reduced land value	_____	_____
d. Reduced home value	_____	_____
e. Personal Health or safety	_____	_____
f. Other, (Specify)	_____	_____

7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

a. Better off _____
b. Worse off _____
c. About the Same ✓

8) If the project and its cost was government sponsored, would you like to see any of the following done?

	Yes	No
a. Plugging the mine openings	<u>✓</u>	_____
b. Removing the mine waste piles	<u>✓</u>	_____
c. Treating the water to clear the streams	<u>✓</u>	_____
d. Drilling wells to stop or reduce water flows	_____	<u>✓</u>
e. Reseeding after cleanup of waste piles	<u>✓</u>	_____
f. Using the waste piles on roads	<u>✓</u>	_____
g. Other, (Specify) _____	_____	_____

9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

a. Yes ✓
b. No _____

10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name: _____

Box 258 (or 268)
Beit, MT 59412

T.A.P. Inc., a Bozeman based research firm, is assisting the Montana Department of State Lands in examining impacts and possible reclamation of abandoned coal mines in your locality. Your cooperation and input by answering this short survey will help us learn how local property owners feel about these mines.

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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? ☒ _____
- c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	_____	_____	_____
b. Surface water quality	_____	<input checked="" type="checkbox"/> _____	_____
c. Subsurface water quality	_____	_____	_____
d. Wildlife numbers	_____	_____	_____
e. Vegetation growth	_____	_____	_____
f. Aesthetics, view	_____	_____	_____
g. Land sinkage	_____	_____	_____
h. Other (specify) _____	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No ☒ _____

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____
 No ☒ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ☒
 Yes _____:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify) _____	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off X
b. Worse off _____
c. About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|-------|
| a. Plugging the mine openings | _____ | _____ |
| b. Removing the mine waste piles | _____ | _____ |
| c. Treating the water to clear the streams | <u>X</u> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | _____ | _____ |
| f. Using the waste piles on roads | <u>X</u> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
b. No X

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Just own 1 lot in Belt Township
so no fudge of land values
Pollution from one abandoned
mine on the west side of Belt
seems to color Belt Creek often, but
kids still catch fish in it

Your Name: Gene Williamson

Be 14

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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? ✓ _____
- c. A landowner? ✓ _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	<u>✓</u>	_____	_____
b. Surface water quality	_____	_____	<u>✓</u>
c. Subsurface water quality	_____	_____	<u>✓</u>
d. Wildlife numbers	_____	<u>✓</u>	_____
e. Vegetation growth	_____	<u>✓</u>	_____
f. Aesthetics, view	_____	_____	<u>✓</u>
g. Land sinkage	_____	<u>✓</u>	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property?
Yes, 100% _____ Yes, Partially _____ Don't know ✓
No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓
Yes _____:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify)	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same ☒

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------------------------------------|-------------------------------------|
| a. Plugging the mine openings | <input checked="" type="checkbox"/> | _____ |
| b. Removing the mine waste piles | <input checked="" type="checkbox"/> | _____ |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | _____ |
| d. Drilling wells to stop or reduce water flows | <input checked="" type="checkbox"/> | _____ |
| e. Reseeding after cleanup of waste piles | <input checked="" type="checkbox"/> | _____ |
| f. Using the waste piles on roads | _____ | <input checked="" type="checkbox"/> |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes ☒
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

I work for the City of Belt
and feel something should be
done about this problem.

Your Name:

Danell O'Connell Belt Mont. Box 46
59412

Belt

T.A.P. Inc., a Bozeman based research firm, is assisting the Montana Department of State Lands in examining impacts and possible reclamation of abandoned coal mines in your locality. Your cooperation and input by answering this short survey will help us learn how local property owners feel about these mines.

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1) Are you:

- a. A farmer/rancher? _____
b. A homeowner? X
c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	<u> X </u>	_____	_____
b. Surface water quality	_____	_____	<u> X </u>
c. Subsurface water quality	<u> X </u>	_____	_____
d. Wildlife numbers	<u> X </u>	_____	_____
e. Vegetation growth	<u> X </u>	_____	_____
f. Aesthetics, view	<u> X </u>	_____	_____
g. Land sinkage	<u> X </u>	_____	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No X

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially X Don't know _____
No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No X
Yes _____:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify)	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes :

About How
Many Annual Dollars?

- | | | |
|------------------------------|---------------|---------------|
| a. Reduced crop yield | <u> </u> | <u> </u> |
| b. Reduced livestock yield | <u> </u> | <u> </u> |
| c. Reduced land value | <u> </u> | <u> </u> |
| d. Reduced home value | <u> </u> | <u> </u> |
| e. Personal Health or safety | <u> </u> | <u> </u> |
| f. Other, (Specify) | <u> </u> | <u> </u> |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?
- a. Better off
b. Worse off
c. About the Same

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|---------------|---------------|
| a. Plugging the mine openings | <u> X </u> | <u> </u> |
| b. Removing the mine waste piles | <u> </u> | <u> </u> |
| c. Treating the water to clear the streams | <u> X </u> | <u> </u> |
| d. Drilling wells to stop or reduce water flows | <u> </u> | <u> </u> |
| e. Reseeding after cleanup of waste piles | <u> </u> | <u> </u> |
| f. Using the waste piles on roads | <u> </u> | <u> </u> |
| g. Other, (Specify) <u> </u> | <u> </u> | <u> </u> |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?
- a. Yes
b. No

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Drainage from old ACM mine in Belt is
polluting Belt Creek & should be corrected

Your Name:

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1) Are you:

- a. A farmer/rancher? _____
 b. A homeowner? _____
 c. A landowner? _____ ☒

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	_____	_____	_____
b. Surface water quality	_____	_____	_____
c. Subsurface water quality	_____	_____	<input checked="" type="checkbox"/>
d. Wildlife numbers	_____	_____	_____
e. Vegetation growth	_____	<input checked="" type="checkbox"/>	_____
f. Aesthetics, view	_____	_____	_____
g. Land sinkage	_____	_____	_____
h. Other (specify)	_____	_____	_____
<u>flooding</u>	_____	_____	<input checked="" type="checkbox"/>

3) Is there a mine site on your property? Yes _____ No ☒

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____
 No ☒ The owner is Mae Savage

5) Has any of your property been effected by any pollution from abandoned mines?

No ☒
 Yes ☒:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	<u>1/2 Acre</u>
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	<input checked="" type="checkbox"/> <u>459 feet</u>
h. Other, (Specify)	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes ☐

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off ☒
b. Worse off ☐
c. About the Same ☐

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------------------------------------|--------------------------|
| a. Plugging the mine openings | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| b. Removing the mine waste piles | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| d. Drilling wells to stop or reduce water flows | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| e. Reseeding after cleanup of waste piles | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| f. Using the waste piles on roads | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes ☒
b. No ☐

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name: _____

Best

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1) Are you:

- a. A farmer/rancher?
b. A homeowner?
c. A landowner?

Formerly
X
X

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	<u>X</u>		
b. Surface water quality		<u>X</u>	
c. Subsurface water quality	<u>X</u>		
d. Wildlife numbers	<u>X</u>		
e. Vegetation growth	<u>X</u>		
f. Aesthetics, view		<u>X</u>	
g. Land sinkage	<u>X</u>		
h. Other (specify)			

3) Is there a mine site on your property? Yes _____ No X

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____
No X The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No X
Yes ~~_____~~:

- a. Air quality _____
b. Surface water quality _____
c. Subsurface water quality _____
d. Wildlife numbers _____
e. Vegetation growth _____
f. Aesthetics, view _____
g. Land sinkage _____
h. Other, (Specify) _____

How Much Area?

nil

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same X

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|-------|
| a. Plugging the mine openings | _____ | _____ |
| b. Removing the mine waste piles | _____ | _____ |
| c. Treating the water to clear the streams | _____ | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | _____ | _____ |
| f. Using the waste piles on roads | <u>X</u> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

No

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
b. No X

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

I think it is one of the most useless bits of boondoggle perpetrated on the public. The money had better be put to use taking care of and towards the public institutions for the unfortunate, or to schools.

Your Name: _____

John Mann

Be it



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1) Are you:

- a. A farmer/rancher? _____
 b. A homeowner? X
 c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	<u> X </u>	_____	_____
b. Surface water quality	_____	<u> X </u>	_____
c. Subsurface water quality	_____	_____	<u> X </u>
d. Wildlife numbers	<u> X </u>	_____	_____
e. Vegetation growth	_____	_____	<u> X </u>
f. Aesthetics, view	<u> X </u>	_____	_____
g. Land sinkage	<u> X </u>	_____	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No X

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know X
 No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No X
 Yes _____:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify)	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off X
b. Worse off _____
c. About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|----------|
| a. Plugging the mine openings | <u>X</u> | _____ |
| b. Removing the mine waste piles | _____ | <u>X</u> |
| c. Treating the water to clear the streams | <u>X</u> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | <u>X</u> |
| e. Reseeding after cleanup of waste piles | _____ | <u>X</u> |
| f. Using the waste piles on roads | _____ | <u>X</u> |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes X
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name: Bill Henderson

T.A.P. Inc., a Bozeman based research firm, is assisting the Montana Department of State Lands in examining impacts and possible reclamation of abandoned coal mines in your locality. Your cooperation and input by answering this short survey will help us learn how local property owners feel about these mines.

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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? ✓ _____
- c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	<u>None</u>	<u>Small Amount</u>	<u>Significant Amount</u>
a. Air quality	_____	_____	_____
b. Surface water quality	_____	_____	_____
c. Subsurface water quality	<u>✓</u> _____	_____	_____
d. Wildlife numbers	_____	_____	_____
e. Vegetation growth	_____	_____	_____
f. Aesthetics, view	_____	_____	_____
g. Land sinkage	_____	_____	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No ✓ _____

4) Do you own the mineral rights beneath your property?
Yes, 100% _____ Yes, Partially _____ Don't know ✓ _____
No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓ _____
Yes _____:

		<u>How Much Area?</u>
a. Air quality	_____	_____
b. Surface water quality	_____	_____
c. Subsurface water quality	_____	_____
d. Wildlife numbers	_____	_____
e. Vegetation growth	_____	_____
f. Aesthetics, view	_____	_____
g. Land sinkage	_____	_____
h. Other, (Specify)	_____	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No
Yes :

About How
Many Annual Dollars?

- | | | |
|------------------------------|---------------|---------------|
| a. Reduced crop yield | <u> </u> | <u> </u> |
| b. Reduced livestock yield | <u> </u> | <u> </u> |
| c. Reduced land value | <u> </u> | <u> </u> |
| d. Reduced home value | <u> </u> | <u> </u> |
| e. Personal Health or safety | <u> </u> | <u> </u> |
| f. Other, (Specify) | <u> </u> | <u> </u> |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off
b. Worse off
c. About the Same

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|---------------|---------------|
| a. Plugging the mine openings | <u> </u> | <u> </u> |
| b. Removing the mine waste piles | <u> </u> | <u> </u> |
| c. Treating the water to clear the streams | <u> </u> | <u> </u> |
| d. Drilling wells to stop or reduce water flows | <u> </u> | <u> </u> |
| e. Reseeding after cleanup of waste piles | <u> </u> | <u> </u> |
| f. Using the waste piles on roads | <u> </u> | <u> </u> |
| g. Other, (Specify) <u> </u> | <u> </u> | <u> </u> |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes
b. No

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name:

John C. Costner
Costner

Belt ✓

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1) Are you:

- a. A farmer/rancher? _____
b. A homeowner? X
c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	<u>None</u>	<u>Small Amount</u>	<u>Significant Amount</u>
a. Air quality	_____	_____	_____
b. Surface water quality	_____	_____	_____
c. Subsurface water quality	_____	_____	<u> X </u>
d. Wildlife numbers	_____	_____	_____
e. Vegetation growth	_____	_____	<u> X </u>
f. Aesthetics, view	_____	_____	_____
g. Land sinkage	_____	_____	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No X

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____
No X The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No X
Yes _____:

	<u>How Much Area?</u>
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify)	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes _____:

		About How Many Annual Dollars?
a. Reduced crop yield	_____	_____
b. Reduced livestock yield	_____	_____
c. Reduced land value	_____	_____
d. Reduced home value	_____	_____
e. Personal Health or safety	_____	_____
f. Other, (Specify)	_____	_____

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

a. Better off X
b. Worse off _____
c. About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

	Yes	No
a. Plugging the mine openings	_____	_____
b. Removing the mine waste piles	_____	_____
c. Treating the water to clear the streams	<u>X</u>	_____
d. Drilling wells to stop or reduce water flows	_____	_____
e. Reseeding after cleanup of waste piles	_____	_____
f. Using the waste piles on roads	_____	_____
g. Other, (Specify) _____	_____	_____

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

a. Yes X
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name:

June 7 Berg

Belt

Great Falls

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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? ✓ _____
- c. A landowner? ✓ _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	<u>✓</u> _____	_____	_____
b. Surface water quality	<u>✓</u> _____	_____	_____
c. Subsurface water quality	<u>✓</u> _____	_____	_____
d. Wildlife numbers	<u>✓</u> _____	_____	_____
e. Vegetation growth	<u>✓</u> _____	_____	_____
f. Aesthetics, view	<u>✓</u> _____	_____	_____
g. Land sinkage	<u>✓</u> _____	_____	_____
h. Other (specify)	<u>✓</u> _____	_____	_____

3) Is there a mine site on your property? Yes _____ No ✓ _____

4) Do you own the mineral rights beneath your property?
 Yes, 100% _____ Yes, Partially _____ Don't know ✓ _____
 No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓ _____
 Yes _____:

		How Much Area?
a. Air quality	_____	_____
b. Surface water quality	_____	_____
c. Subsurface water quality	_____	_____
d. Wildlife numbers	_____	_____
e. Vegetation growth	_____	_____
f. Aesthetics, view	_____	_____
g. Land sinkage	_____	_____
h. Other, (Specify)	_____	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off ☒
b. Worse off _____
c. About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|---------------------------|-------------------------------------|
| a. Plugging the mine openings | _____ | <input checked="" type="checkbox"/> |
| b. Removing the mine waste piles | _____ | <input checked="" type="checkbox"/> |
| c. Treating the water to clear the streams | _____ | <input checked="" type="checkbox"/> |
| d. Drilling wells to stop or reduce water flows | _____ | <input checked="" type="checkbox"/> |
| e. Reseeding after cleanup of waste piles | _____ | <input checked="" type="checkbox"/> |
| f. Using the waste piles on roads | _____ | <input checked="" type="checkbox"/> |
| g. Other, (Specify) _____ | <u>already being done</u> | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes ☒
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name: Russell & Joanne Vaytski

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1) Are you:

- a. A farmer/rancher? _____
 b. A homeowner? _____
 c. A landowner? X

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	<u> X </u>	_____	_____
b. Surface water quality	_____	<u> X </u>	_____
c. Subsurface water quality	<u> X </u>	_____	_____
d. Wildlife numbers	<u> X </u>	_____	_____
e. Vegetation growth	<u> X </u>	_____	_____
f. Aesthetics, view	_____	<u> X </u>	_____
g. Land sinkage	<u> X </u>	_____	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No X

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____
 No X The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No X
 Yes _____:

		How Much Area?
a. Air quality	<u> X </u>	_____
b. Surface water quality	<u> X </u>	_____
c. Subsurface water quality	<u> X </u>	_____
d. Wildlife numbers	<u> X </u>	_____
e. Vegetation growth	<u> X </u>	_____
f. Aesthetics, view	<u> X </u>	_____
g. Land sinkage	<u> X </u>	_____
h. Other, (Specify)	_____	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

a. Better off X
b. Worse off _____
c. About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

	Yes	No
a. Plugging the mine openings	_____	<u>X</u>
b. Removing the mine waste piles	_____	<u>X</u>
c. Treating the water to clear the streams	_____	<u>X</u>
d. Drilling wells to stop or reduce water flows	_____	<u>X</u>
e. Reseeding after cleanup of waste piles	_____	<u>X</u>
f. Using the waste piles on roads	<u>X</u>	_____
g. Other, (Specify) _____	_____	_____

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

a. Yes X
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

The abandoned mines in our vicinity could be
used as Fall-out shelters if they were improved
a little. I would not like to see them
plugged. In case of Nuclear war, it would be
wonderful to have some protection. The old
mines are not dangerous.

Your Name: _____

Edith M. Blain.
(retired teacher)

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1) Are you:

- a. A farmer/rancher? ☒
- b. A homeowner? ☒
- c. A landowner? ☒

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Surface water quality	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. Subsurface water quality	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. Wildlife numbers	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. Vegetation growth	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f. Aesthetics, view	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
g. Land sinkage	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
h. Other (specify)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

3) Is there a mine site on your property? Yes ☒ No ☐

4) Do you own the mineral rights beneath your property?

Yes, 100% ☒ Yes, Partially ☐ Don't know ☐
 No ☐ The owner is

5) Has any of your property been effected by any pollution from abandoned mines?

No ☐
 Yes ☒:

	How Much Area?
a. Air quality	<input type="checkbox"/>
b. Surface water quality	<input type="checkbox"/>
c. Subsurface water quality	<input type="checkbox"/>
d. Wildlife numbers	<input type="checkbox"/>
e. Vegetation growth	<input checked="" type="checkbox"/>
f. Aesthetics, view	<input checked="" type="checkbox"/>
g. Land sinkage	<input type="checkbox"/>
h. Other, (Specify)	<input type="checkbox"/>

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ✓
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

a. Better off ✓
b. Worse off _____
c. About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

	Yes	No
a. Plugging the mine openings	<u>✓</u>	_____
b. Removing the mine waste piles	<u>✓</u>	_____
c. Treating the water to clear the streams	_____	_____
d. Drilling wells to stop or reduce water flows	_____	_____
e. Reseeding after cleanup of waste piles	<u>✓</u>	_____
f. Using the waste piles on roads	<u>✓</u>	_____
g. Other, (Specify) _____	_____	_____

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

a. Yes ✓
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name: MAC K L SA V A G E

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1) Are you:

- a. A farmer/rancher? ☐
- b. A homeowner? ☒
- c. A landowner? ☒

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Surface water quality	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. Subsurface water quality	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. Wildlife numbers	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. Vegetation growth	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f. Aesthetics, view	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
g. Land sinkage	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
h. Other (specify)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

3) Is there a mine site on your property? Yes ☐ No ☒

4) Do you own the mineral rights beneath your property?

Yes, 100% ☐ Yes, Partially ☐ Don't know ☐
 No ☒ The owner is ?

5) Has any of your property been effected by any pollution from abandoned mines?

No ☐
 Yes ☐

	How Much Area?
a. Air quality	<u>no</u>
b. Surface water quality	<input type="checkbox"/>
c. Subsurface water quality	<input type="checkbox"/>
d. Wildlife numbers	<input type="checkbox"/>
e. Vegetation growth	<input type="checkbox"/>
f. Aesthetics, view	<input type="checkbox"/>
g. Land sinkage	<input type="checkbox"/>
h. Other, (Specify)	<input type="checkbox"/>

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1) Are you:

- a. A farmer/rancher? _____
 b. A homeowner? _____
 c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	_____✓_____	_____	_____
b. Surface water quality	_____	_____	_____✓_____
c. Subsurface water quality	_____	_____	_____✓_____
d. Wildlife numbers	_____	_____✓_____	_____
e. Vegetation growth	_____	_____✓_____	_____
f. Aesthetics, view	_____	_____✓_____	_____
g. Land sinkage	_____	_____✓_____	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property?
 Yes, 100% _____ Yes, Partially _____ Don't know ✓
 No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No _____
 Yes ✓:

- a. Air quality _____
 b. Surface water quality _____
 c. Subsurface water quality ✓ _____
 d. Wildlife numbers _____
 e. Vegetation growth _____
 f. Aesthetics, view _____
 g. Land sinkage _____
 h. Other, (Specify) _____

How Much Area?

the well below our house

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No _____
Yes ✓:

About How
Many Annual Dollars?

- a. Reduced crop yield _____
b. Reduced livestock yield _____
c. Reduced land value _____
d. Reduced home value _____
e. Personal Health or safety _____
f. Other, (Specify) _____

Drilling a new well

Total of \$2,000 to date

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off ✓
b. Worse off _____
c. About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|----------|
| a. Plugging the mine openings | <u>✓</u> | _____ |
| b. Removing the mine waste piles | <u>✓</u> | _____ |
| c. Treating the water to clear the streams | _____ | <u>✓</u> |
| d. Drilling wells to stop or reduce water flows | _____ | <u>✓</u> |
| e. Reseeding after cleanup of waste piles | <u>✓</u> | _____ |
| f. Using the waste piles on roads | <u>✓</u> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes ✓
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

If the mines are properly plugged the
water flows will be stopped

Your Name: Patrick E. Pierson

Self
Great Falls

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1) Are you:

- a. A farmer/rancher? _____
b. A homeowner? yes
c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	_____	_____	_____
b. Surface water quality	_____	_____	<u>✓</u>
c. Subsurface water quality	_____	_____	_____
d. Wildlife numbers	_____	_____	_____
e. Vegetation growth	_____	_____	_____
f. Aesthetics, view	_____	_____	_____
g. Land sinkage	_____	_____	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____
No ✓ The owner is John

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓
Yes _____:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify)	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

a. Better off ☒
b. Worse off _____
c. About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

	Yes	No
a. Plugging the mine openings	_____	_____
b. Removing the mine waste piles	<input checked="" type="checkbox"/>	_____
c. Treating the water to clear the streams	<input checked="" type="checkbox"/>	_____
d. Drilling wells to stop or reduce water flows	_____	_____
e. Reseeding after cleanup of waste piles	<input checked="" type="checkbox"/>	_____
f. Using the waste piles on roads	_____	_____
g. Other, (Specify) _____	_____	_____

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

a. Yes ☒
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name:

Edward J. Glan Sr.

Belx

Great Falls

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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? X
- c. A landowner? X

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	<u> X </u>	_____	_____
b. Surface water quality	_____	<u> X </u>	_____
c. Subsurface water quality	_____	<u> X </u>	_____
d. Wildlife numbers	_____	<u> X </u>	_____
e. Vegetation growth	_____	<u> X </u>	_____
f. Aesthetics, view	_____	_____	<u> X </u>
g. Land sinkage	<u> X </u>	_____	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No X

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____
No X The owner is ?

5) Has any of your property been effected by any pollution from abandoned mines?

No X
Yes _____:

- a. Air quality no
- b. Surface water quality ?
- c. Subsurface water quality ?
- d. Wildlife numbers ?
- e. Vegetation growth ?
- f. Aesthetics, view ?
- g. Land sinkage ?
- h. Other, (Specify) ?

How Much Area?

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No _____

Yes _____:

- a. Reduced crop yield
- b. Reduced livestock yield
- c. Reduced land value
- d. Reduced home value
- e. Personal Health or safety
- f. Other, (Specify)

no

About How
Many Annual Dollars?

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
- b. Worse off _____
- c. About the Same X _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|----------|
| a. Plugging the mine openings | <u>X</u> | _____ |
| b. Removing the mine waste piles | <u>X</u> | _____ |
| c. Treating the water to clear the streams | <u>X</u> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | <u>X</u> |
| e. Reseeding after cleanup of waste piles | <u>X</u> | _____ |
| f. Using the waste piles on roads | _____ | <u>X</u> |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes X _____
- b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name: _____

James D. Werner



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The survey can be completed by just check marking the appropriate space. Use the pre-addressed, no stamp required envelope to return the survey to us. Your answers will be combined with those of your neighbors and the results will be available to you and to the Department of State Lands. Thank you for your help.

1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? X
- c. A landowner? X

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	<u>None</u>	<u>Small Amount</u>	<u>Significant Amount</u>
a. Air quality	_____	_____	_____
b. Surface water quality	_____	_____	<u> X </u>
c. Subsurface water quality	_____	_____	_____
d. Wildlife numbers	_____	_____	_____
e. Vegetation growth	_____	_____	<u> X </u>
f. Aesthetics, view	_____	_____	<u> X </u>
g. Land sinkage	_____	_____	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No X

4) Do you own the mineral rights beneath your property?

Yes, 100% X Yes, Partially _____ Don't know _____
 No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No X
 Yes _____

	<u>How Much Area?</u>
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify)	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same X

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|--|----------|-------|
| a. Plugging the mine openings | <u>X</u> | _____ |
| b. Removing the mine waste piles | <u>X</u> | _____ |
| c. Treating the water to clear the streams | <u>/</u> | _____ |
| d. Drilling wells to stop or reduce water flows | <u>X</u> | _____ |
| e. Reseeding after cleanup of waste piles | <u>X</u> | _____ |
| f. Using the waste piles on roads - <u>only if covered with gravel</u> | | |
| g. Other, (Specify) <u>As a base only</u> | | |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name: JOHN FURRO

Belt Highway

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1) Are you:

- a. A farmer/rancher? X
b. A homeowner? _____
c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	_____	_____	_____
b. Surface water quality	_____	<u>X</u>	_____
c. Subsurface water quality	_____	<u>?</u>	_____
d. Wildlife numbers	_____	_____	_____
e. Vegetation growth	_____	_____	_____
f. Aesthetics, view	_____	<u>X</u>	_____
g. Land sinkage	_____	_____	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No X

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially X Don't know _____
No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No X
Yes _____:

	How Much Area?
a. Air quality	_____
b. Surface water quality	_____
c. Subsurface water quality	_____
d. Wildlife numbers	_____
e. Vegetation growth	_____
f. Aesthetics, view	_____
g. Land sinkage	_____
h. Other, (Specify)	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No X

Yes _____:

About How
Many Annual Dollars?

- a. Reduced crop yield _____
b. Reduced livestock yield _____
c. Reduced land value _____
d. Reduced home value _____
e. Personal Health or safety _____
f. Other, (Specify) _____

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same X

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|-------|
| a. Plugging the mine openings | <u>X</u> | _____ |
| b. Removing the mine waste piles | _____ | _____ |
| c. Treating the water to clear the streams | <u>X</u> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | _____ | _____ |
| f. Using the waste piles on roads | _____ | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
b. No X

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Plugging mine openings & water
quality would be my two most
important projects.

Your Name: Dennis Bough (in place of Forrest
& Edna Bough who have moved & retired)

DCIT

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1) Are you:

- a. A farmer/rancher? _____
 b. A homeowner? 27
 c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

	None	Small Amount	Significant Amount
a. Air quality	_____	_____	<u>X</u>
b. Surface water quality	_____	_____	<u>X</u>
c. Subsurface water quality	_____	_____	<u>X</u>
d. Wildlife numbers	_____	_____	<u>X</u>
e. Vegetation growth	_____	_____	<u>X</u>
f. Aesthetics, view	_____	_____	_____
g. Land sinkage	_____	_____	_____
h. Other (specify)	_____	_____	_____

3) Is there a mine site on your property? Yes _____ No X

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____
 No X The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No X
 Yes _____:

		How Much Area?
a. Air quality	_____	_____
b. Surface water quality	_____	_____
c. Subsurface water quality	_____	_____
d. Wildlife numbers	_____	_____
e. Vegetation growth	_____	_____
f. Aesthetics, view	_____	_____
g. Land sinkage	_____	_____
h. Other, (Specify)	_____	_____

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes :

About How
Many Annual Dollars?

- | | | |
|------------------------------|---------------|---------------|
| a. Reduced crop yield | <u> </u> | <u> </u> |
| b. Reduced livestock yield | <u> </u> | <u> </u> |
| c. Reduced land value | <u> </u> | <u> </u> |
| d. Reduced home value | <u> </u> | <u> </u> |
| e. Personal Health or safety | <u> </u> | <u> </u> |
| f. Other, (Specify) | <u> </u> | <u> </u> |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off
b. Worse off X
c. About the Same

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|---------------|---------------|
| a. Plugging the mine openings | <u> X </u> | <u> </u> |
| b. Removing the mine waste piles | <u> X </u> | <u> </u> |
| c. Treating the water to clear the streams | <u> X </u> | <u> </u> |
| d. Drilling wells to stop or reduce water flows | <u> X </u> | <u> </u> |
| e. Reseeding after cleanup of waste piles | <u> X </u> | <u> </u> |
| f. Using the waste piles on roads | <u> X </u> | <u> </u> |
| g. Other, (Specify) <u> </u> | <u> </u> | <u> </u> |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes
b. No X

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name:

